

INTERNATIONAL PETROLEUM STATISTICS REPORT

July 1997



**Energy Information Administration
Energy Markets and Contingency Information Division**

Preface

The International Petroleum Statistics Report is a monthly publication that provides current international oil data. This report is published for the use of Members of Congress, Federal agencies, State agencies, industry, and the general public. Publication of this report is in keeping with responsibilities given the Energy Information Administration in Public Law 95-91 (Section 205(a)(2)) that states:

"The Administrator shall be responsible for carrying out a central, comprehensive, and unified energy data and information program which will collect, evaluate, assemble, analyze and disseminate data and information ..."

The International Petroleum Statistics Report presents data on international oil production, demand, imports, and stocks. The report has four sections. Section 1 contains time series data on world oil production, and on oil demand and stocks in the Organization for Economic Cooperation and Development (OECD). This section contains annual data beginning in 1985, and monthly data for the most recent two years. Section 2 presents an oil supply/demand balance for the world. This balance is presented in quarterly intervals for the most recent two years. Section 3 presents data on oil imports by OECD countries. This section contains annual data for the most recent year, quarterly data for the most recent two quarters, and monthly data for the most recent twelve months. Section 4 presents annual time series data on world oil production and oil stocks, demand, and trade in OECD countries. World oil production and OECD demand data are for the years 1970 through 1996; OECD stocks from 1973 through 1996; and OECD trade from 1986 through 1996.

Data for the United States are developed by the Energy Information Administration's (EIA) Office of Oil and Gas. Data for other countries are derived largely from published sources, including International Energy Agency publications, the EIA International Energy Annual, and the trade press. (See sources after each section.) All data are reviewed by the International Statistics Branch of EIA. All data have been converted to units of measurement familiar to the American public. Definitions of oil production and consumption are consistent with other EIA publications.

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Notes: As of December 31, 1994, Gabon withdrew its membership in the Organization of Petroleum Exporting Countries (OPEC). For consistency, Gabon is excluded in the historical series of OPEC totals.

Oil Market Chronology -- June 1997

The following chronology lists international events of potential significance for world petroleum markets. Sources include: Dow Jones (DJ), the New York Times (NYT), the Wall Street Journal (WSJ), and the Washington Post (WP).

June 1 Oman and Iran agree to draw up a joint development plan for the Bukha/Hengam oil field which is jointly owned by the two countries. (DJ)

Shell Oil Company and Mobil Corporation combine their California exploration and production units into a joint venture company, Aera Energy LLC (58.6 percent Shell, 41.4 percent Mobil). With proven reserves of about 1 billion barrels of oil equivalent and production of about 250,000 barrels per day, the venture is now the largest oil producer in California. (WSJ)

June 2 Amoco Corporation announces plans to sell about 15 percent of its domestic oil and natural gas reserves to allow the company to focus future efforts on six regions: Trinidad (where it is expanding a liquefied natural gas plant); Venezuela; the Eastern Mediterranean (especially Egypt's Nile Delta); the Caspian Sea; heavy oil projects in Alberta, Canada; and deep-water projects in the Gulf of Mexico. The reserves -- located in Wyoming, Colorado, New Mexico, Oklahoma, and along the coast of the Gulf of Mexico -- total about 450 million barrels of oil equivalent (about two-thirds natural gas) and provide about 10 percent of the company's domestic production. (WSJ)

June 3 Japan's Minister of International Trade and Industry says Japan needs to diversify the sources of its oil supplies further to improve its energy security. (DJ)

June 4 In a unanimous vote, the United Nations Security Council renews for another 180-day period its "oil-for-food" initiative with Iraq. Under the resolution, Iraq may sell \$2 billion worth of oil to buy food, medicine and other necessities to alleviate civilian suffering under the sanctions imposed when it invaded Kuwait in 1990. (WP)

China signs separate agreements with Kazakhstan and Iraq to secure oil supplies into the next century. The agreements cover a \$4.3 billion investment in Kazakhstan's Aktyubinsk oil enterprise over the next 20 years, a planned oil pipeline from Kazakhstan to China, and the development of the Ahdab oil field in southern Iraq (1 billion barrels at a cost of \$1.2 billion). (WP)

June 5 Russia's Deputy Prime Minister Alfred Kokh announces plans to sell an additional 15 percent share of state-owned oil producer AO Lukoil. No details are provided. (WSJ)

June 6 Australian Prime Minister John Howard announces that his country will phase out the use of lead in automobile gasoline by 2010. (DJ)

Venezuela completes a 5-day auction of 20 marginal oil fields in its third round of sales to foreign investors, earning about \$2 billion (twice as much as expected). Successful bidders receive a 20-year production contract with certain minimum investment levels and must pay set royalties and fees for each barrel of oil produced. They include U.S. companies Atlantic Richfield, Chevron, Pennzoil, and Phillips Petroleum; British company Lasso; and the China National Petroleum Company. (WSJ)

June 10 Chevron Corporation signs a production-sharing agreement to perform seismic tests and drill wells deep beneath China's second largest oil field (Shengli). This is the first onshore exploration pact in China for Chevron, which already has offshore leases in China's Bohai Gulf and the South China Sea. (WSJ)

The National Iranian Oil Company agrees to spend \$250 million to upgrade a large refinery in southern China to increase its capacity for processing Iranian crude oil. (WSJ)

Kazakhstan and Azerbaijan agree to build a 1600-mile pipeline along the floor of the Caspian Sea to ship 315-350 million barrels per year of Kazak oil via Turkmenistan to Baku in Azerbaijan. The pipeline would continue overland across Georgia and Turkey to the Mediterranean Sea. Construction is slated to begin in 2000 and be completed within 3 years. (WP)

- June 11** Canadian Prime Minister Jean Chretien names Ralph Goodale the country's new natural resources minister. (DJ)
- June 13** Triton Energy reports that it expects combined production from Colombia's Cupiagua and Cusiana fields to reach 500,000 barrels per day in early 1998 (currently 185,000 barrels per day). The company had planned to achieve this goal by the end of 1997, but has recently encountered problems in construction and drilling operations in the Cupiagua field. (WSJ)
- June 18** Turkey and Ukraine sign a deal to build a pipeline from Turkey's Mediterranean coast to its Black Sea coast for oil shipments to Ukraine. (DJ)
- June 19** The U.S. Supreme Court rules in favor of the Federal Government in an 18-year-old boundary dispute with Alaska over control of offshore areas along the Arctic coast. The decision effectively prevents development of the area's oil and natural gas reserves, as the Federal Government has said it would not permit drilling off the coast of wildlife refuges. (NYT)
- Exxon appeals the \$5.3 billion verdict awarded in 1994 to fishermen, native Alaskans, and others harmed by the 1989 Exxon Valdez oil spill. (NYT)
- June 20** Talisman Energy receives permission to develop the Ross oil field in the United Kingdom sector of the North Sea. The field, which contains estimated reserves of 60-100 million barrels of oil and 20-30 billion cubic feet of natural gas, is expected to begin producing in September 1998 and reach peak production of 40,000 barrels per day in 1999. (WSJ)
- Russian President Boris Yeltsin orders cuts of up to 40 percent in natural gas prices for businesses that pay their overdue Gazprom bills in cash by the end of the year. High customer debt (estimated at \$12.15 billion) makes it difficult for the company to pay its national tax arrears. (WSJ)
- June 24** Russia's State Duma (lower house) approves a long-awaited law that would allow production-sharing agreements for development of major natural resource deposits, including five oil fields (Samotlor, Krasnoleninsk, Romashkinskoye, Prirazlomnoye, North Sakhalin), the Kuranakhskoye gold field, and the Yakovlevskoye iron-ore deposit. Investment in these projects is expected to total \$16 billion. The legislation now goes to the upper house for consideration, which is expected to consider the measure this fall. (DJ)
- June 25** Partners in Australia's Stuart Oil Shale project announce that they have obtained financing to proceed with the first phase of development for what could become the world's first commercial project extracting crude oil from oil shale. If successful, the project would produce 85,000 barrels per day within 10 years. Partners are Canada's Suncor (50 percent) and two Australian companies (Southern Pacific and Central Pacific, 25 percent each). (WSJ)
- June 26** The Organization of Petroleum Exporting Countries (OPEC) extends its current output ceiling of 25.033 million barrels per day of crude oil through the end of 1997. The official communique indicates quota adherence will be "closely monitored" and announces that the next meeting would take place November 26 in Jakarta, Indonesia. OPEC Secretary General Rilwanu Lukman tells a news conference after the meeting that OPEC's target price remains at \$21.00 per barrel. Individual quotas remain as follows (in millions of barrels per day): Saudi Arabia, 8.0; Iran, 3.6; Iraq, 1.2; Venezuela, 2.359; Nigeria, 1.865; Indonesia, 1.33; Kuwait, 2.0 ; Libya, 1.39; United Arab Emirates, 2.161; Algeria, 0.75; and Qatar, 0.378. (DJ)
- Iranian Oil Minister Gholamreza Aghazadeh reports that U.S. sanctions to deter Iran's ability to attract outside capital "haven't worked at all" because creative financing methods allow foreign companies to avoid punishment under the Iran and Libya Sanctions Act (which was passed in 1996 and applies to investments of \$40 million or more). He cites the use of buyback contracts under which companies pay for development rights in oil rather than in dollars, and direct financing by foreign banks (which are not covered by the sanctions law). (DJ)
- The government of Portugal confirms the sale of a 27.5 percent stake in petroleum company Petrogal to Saudi Aramco. Under an agreement scheduled to be finalized by the end of 1997, Saudi Aramco would supply Petrogal's sour crude requirements under a long-term contract. Petrogal operates two refineries (with capacity totaling 300,000 barrels per day) and supplies 50 percent of the country's petroleum products. Portugal's government retains a 45 percent stake (down from 55 percent) and Petrocontrol, a private consortium of shareholders, retains a 27.5 percent stake (down from 45 percent). A leading Portuguese newspaper estimates the reference value of the Saudi share at \$1.4-1.5 billion. (DJ)

June 27 International Energy Agency head Robert Priddle says he "regrets" the previous day's action by the U.S. House Appropriations Committee approving a \$209 million sale of crude oil from the U.S. Strategic Petroleum Reserve. Priddle notes that U.S. strategic stocks have already dropped from a 90-day supply to less than 70 days currently, following earlier sales of 30 million barrels of crude oil. (DJ)

China's Premier Li Peng and Russia's Prime Minister Viktor Chernomyrdin sign a series of agreements to boost trade and economic relations between their countries. Included is a planned \$4-5 billion project involving the development of Russian natural gas reserves in the Irkutsk region of western Siberia to supply up to 1 trillion cubic feet per year via pipeline to China's coast. (DJ)

June 30 Iran's top military commander says his country does not intend to start a war with the United States, but promises to turn the Persian Gulf into a slaughterhouse if attacked. The pledge follows a series of U.S. warnings about Iran's potential to use missiles to close the Strait of Hormuz to oil tankers and other shipping. (DJ)

Nigeria's government authorizes the Nigerian National Petroleum Company to swap 100,000 barrels per day of crude oil for petroleum product imports, reversing a year-earlier decision banning the practice due to widespread abuses. The action comes one week after the government authorized importing 33 cargoes of oil products to ease fuel shortages associated with problems at domestic refineries. (DJ)

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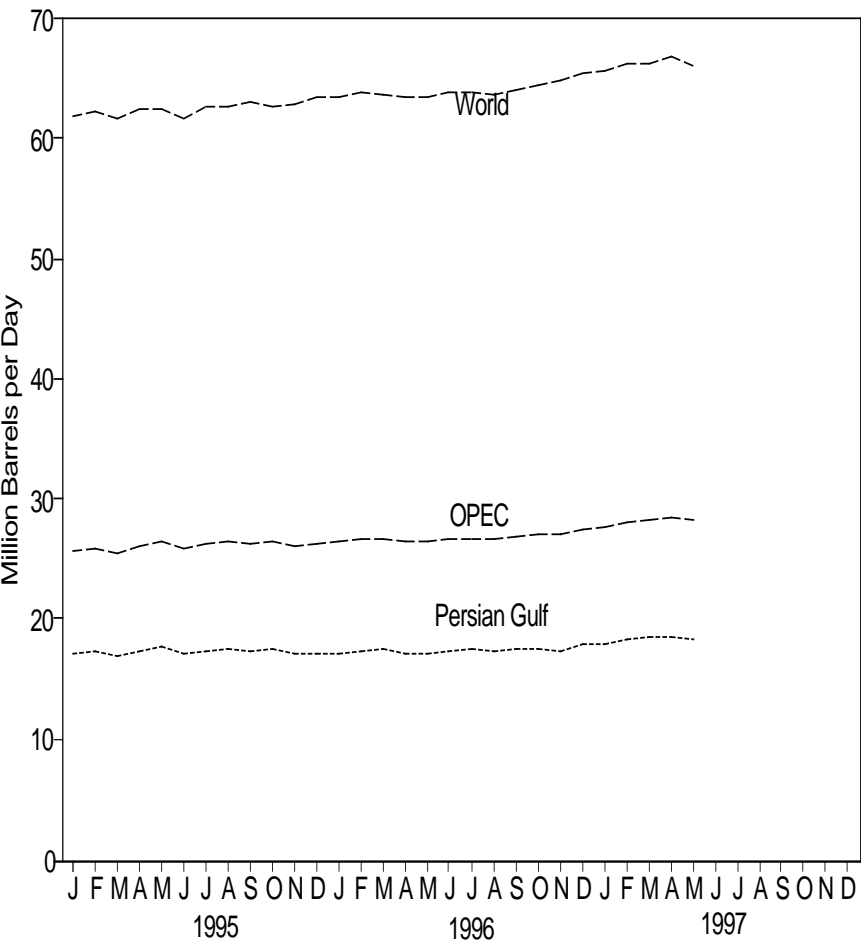
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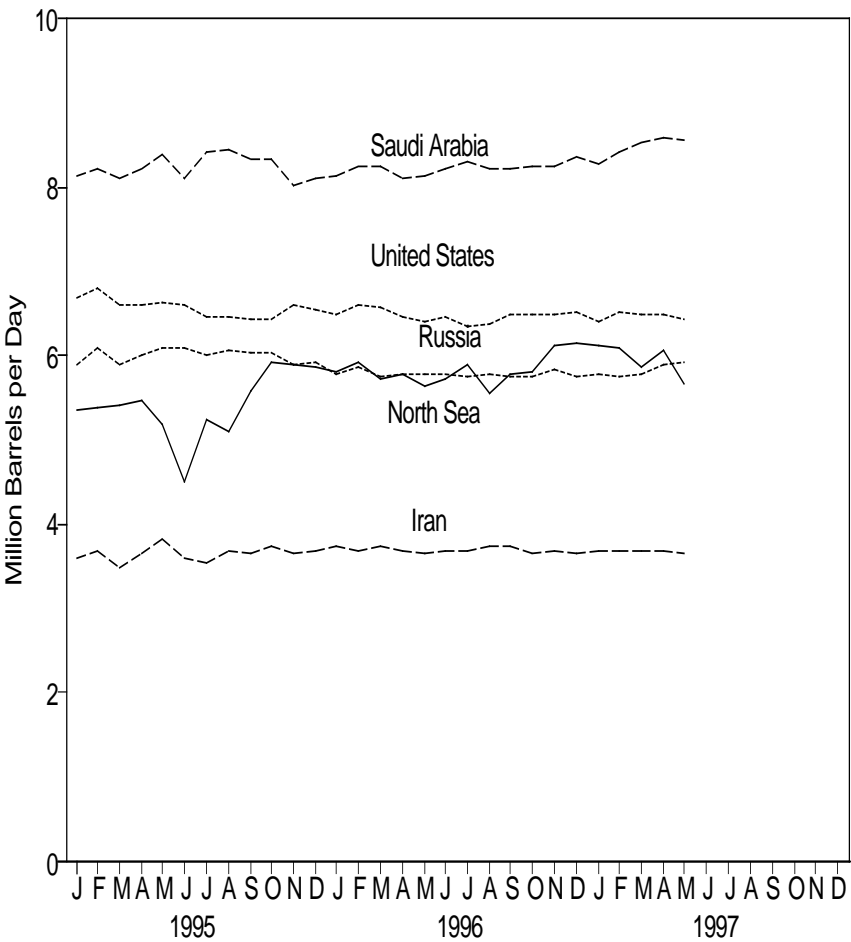
1. Annual and Monthly Oil Data

Figure 1. World Crude Oil Production, Monthly



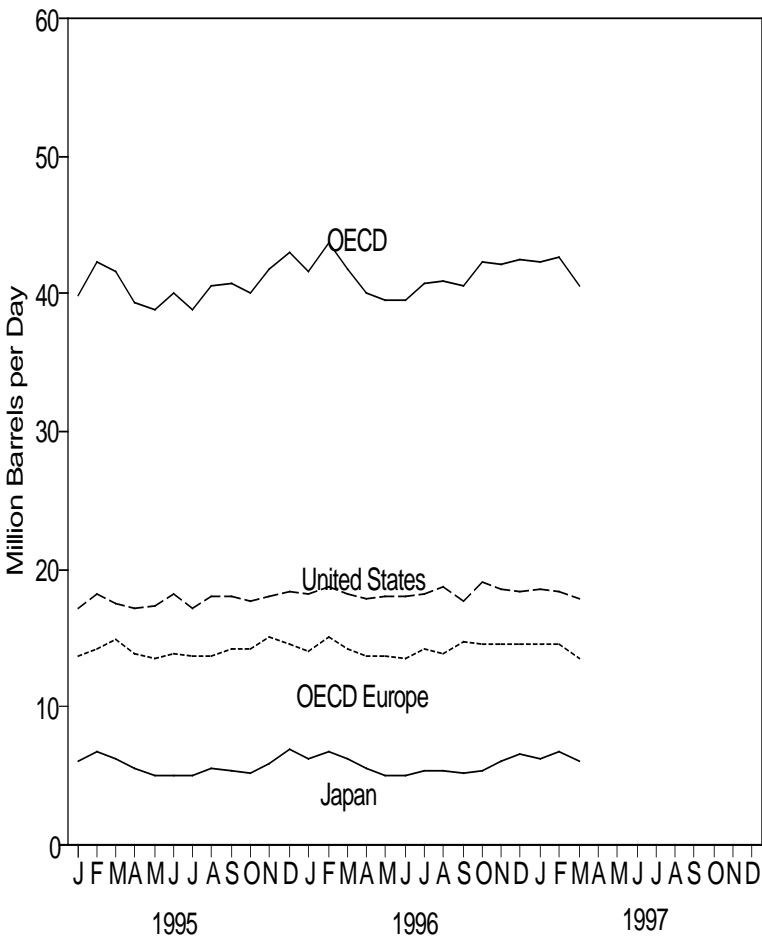
Source: Tables 1.1a-1.1c

Figure 2. Leading Crude Oil Producers, Monthly



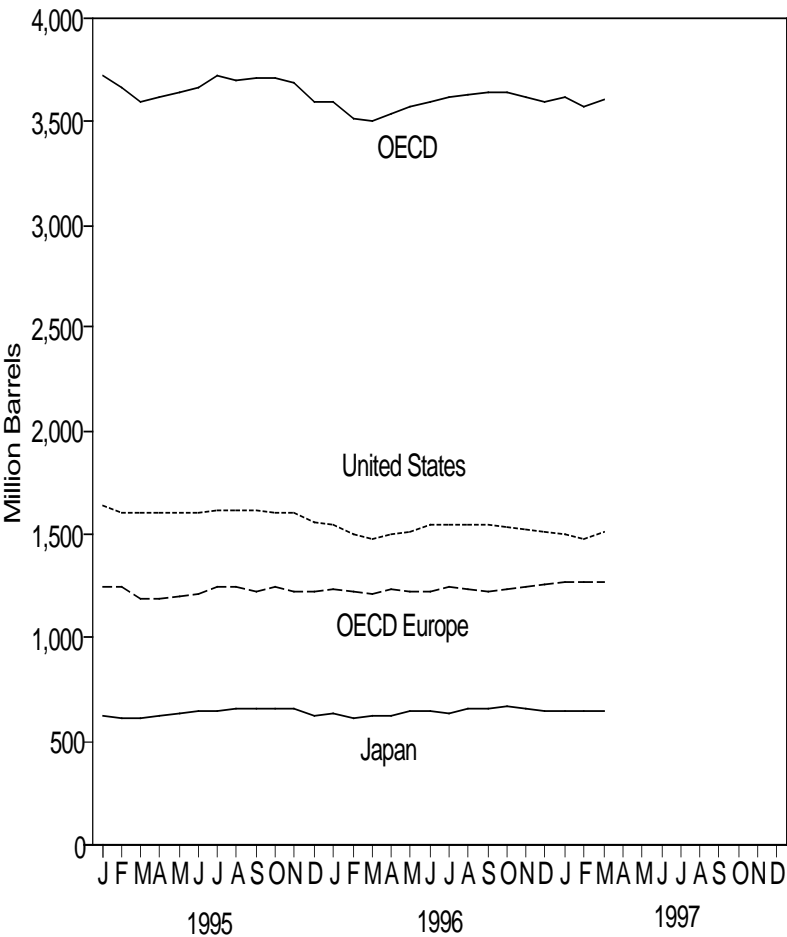
Source: Tables 1.1a-1.1c

Figure 3. OECD Oil Consumption, Monthly



Source: Table 1.7

Figure 4. OECD Oil Stocks, Monthly



Source: Table 1.5

Table 1.1a World Crude Oil Production (Including Lease Condensate), 1985-Present
(Thousand Barrels per Day)

	Algeria	Indo- nesia	Iran	Iraq	Kuwait ^{1/}	Libya	Nigeria	Qatar	Saudi Arabia ^{1/}	United Arab Emirates	Vene- zuela	Total OPEC
1985 Average.....	1,037	1,325	2,250	1,433	1,023	1,059	1,495	301	3,388	1,193	1,677	16,181
1986 Average.....	945	1,390	2,035	1,690	1,419	1,034	1,467	308	4,870	1,330	1,787	18,275
1987 Average.....	1,048	1,343	2,298	2,079	1,585	972	1,341	293	4,265	1,541	1,752	18,517
1988 Average.....	1,040	1,342	2,240	2,685	1,492	1,175	1,450	346	5,086	1,565	1,903	20,324
1989 Average.....	1,095	1,409	2,810	2,897	1,783	1,150	1,716	380	5,064	1,860	1,907	22,071
1990 Average.....	1,175	1,462	3,088	2,040	1,175	1,375	1,810	406	6,410	2,117	2,137	23,195
1991 Average.....	1,230	1,592	3,312	305	190	1,483	1,892	395	8,115	2,386	2,375	23,275
1992 Average.....	1,214	1,504	3,429	425	1,058	1,433	1,943	423	8,332	2,266	2,371	24,398
1993 Average.....	1,162	1,511	3,540	512	1,852	1,361	1,960	413	8,198	2,159	2,450	25,119
1994 Average.....	1,180	1,510	3,618	553	2,025	1,378	1,931	415	8,120	2,193	2,588	25,510
1995 Average.....	1,202	1,503	3,643	560	2,057	1,390	1,993	483	8,231	2,279	2,750	26,092
1996 January.....	1,220	1,540	3,735	555	2,038	1,400	2,160	500	8,118	2,290	2,940	26,495
February.....	1,220	1,540	3,685	555	2,057	1,400	2,180	500	8,248	2,265	2,940	26,590
March.....	1,210	1,540	3,715	555	2,057	1,400	2,190	500	8,248	2,285	2,990	26,690
April.....	1,230	1,530	3,685	555	2,067	1,400	2,160	505	8,088	2,250	2,990	26,460
May.....	1,245	1,530	3,635	555	2,055	1,400	2,200	505	8,135	2,275	2,990	26,525
June.....	1,250	1,550	3,685	555	2,065	1,400	2,200	505	8,195	2,270	2,990	26,665
July.....	1,250	1,520	3,685	555	2,065	1,400	2,170	505	8,295	2,260	3,040	26,745
August.....	1,250	1,540	3,715	555	2,040	1,400	2,190	505	8,220	2,260	3,090	26,765
September.....	1,250	1,560	3,735	555	2,070	1,400	2,150	525	8,200	2,310	3,090	26,845
October.....	1,260	1,580	3,635	555	2,075	1,400	2,210	525	8,255	2,310	3,140	26,945
November.....	1,260	1,570	3,685	555	2,075	1,400	2,220	505	8,255	2,250	3,190	26,965
December.....	1,260	1,570	3,635	895	2,077	1,410	2,225	545	8,358	2,305	3,240	27,520
1996 Average.....	1,242	1,547	3,686	584	2,062	1,401	2,188	510	8,218	2,278	3,053	26,769
1997 January.....	1,260	1,570	3,685	1,085	2,085	1,430	2,250	585	8,265	2,300	3,190	27,705
February.....	1,270	1,590	3,685	1,125	2,077	1,430	2,310	585	8,408	2,330	3,190	28,000
March.....	1,280	1,600	3,685	R1,175	2,105	1,440	2,240	585	8,515	2,360	3,200	R28,185
April.....	1,280	1,560	3,685	R1,275	2,107	1,450	2,310	585	8,568	2,360	3,220	R28,400
May.....	1,280	1,580	3,635	1,325	2,027	1,450	2,270	605	8,548	2,210	3,240	28,170
1997 Average.....	1,274	1,580	3,675	1,198	2,080	1,440	2,275	589	8,461	2,311	3,208	28,092

^{1/} Includes about one-half of the production in the Kuwait-Saudi Arabia Neutral Zone from 1980 through July 1990 and beginning in June 1991. Kuwaiti Neutral Zone output was discontinued following Iraq's invasion of Kuwait on August 2, 1990, but was resumed in June 1991. From August 1990 through May 1991, all production in the Neutral Zone was included in the data for Saudi Arabia. In May 1997, Neutral Zone production by both Kuwait and Saudi Arabia totaled about 495 thousand barrels per day.

Notes: •OPEC=Organization of Petroleum Exporting Countries. •Monthly data are often preliminary and also may not average to the annual totals due to rounding.

Sources: See end of Section 1.

Table 1.1b World Crude Oil Production (Including Lease Condensate), 1985-Present
(Thousand Barrels per Day)

	Norway	United Kingdom	North Sea ^{1/}	Angola	Argentina	Australia	Brazil	Canada	China	Colombia	Ecuador
1985 Average.....	788	2,530	3,417	231	460	575	564	1,471	2,505	176	281
1986 Average.....	870	2,539	3,547	282	434	520	572	1,474	2,620	305	293
1987 Average.....	1,022	2,406	3,584	360	428	547	566	1,535	2,690	385	174
1988 Average.....	1,158	2,232	3,540	452	449	538	554	1,616	2,730	378	302
1989 Average.....	1,554	1,802	3,515	455	460	490	596	1,560	2,757	403	279
1990 Average.....	1,704	1,820	3,667	475	483	575	631	1,553	2,774	440	285
1991 Average.....	1,890	1,797	3,811	500	485	545	630	1,548	2,835	419	299
1992 Average.....	2,229	1,825	4,182	526	553	535	626	1,605	2,845	433	321
1993 Average.....	2,350	1,915	4,403	509	594	503	643	1,679	2,890	456	344
1994 Average.....	2,521	2,375	5,058	536	650	536	671	1,746	2,939	450	365
1995 Average.....	2,768	2,489	5,400	646	715	562	695	1,805	2,990	585	392
1996 January.....	3,085	2,600	5,819	705	710	530	770	1,775	3,115	620	390
February.....	3,165	2,625	5,935	705	710	560	785	1,705	3,100	620	390
March.....	2,990	2,570	5,715	700	720	580	775	1,800	3,050	635	390
April.....	3,160	2,467	5,768	715	750	610	805	1,840	3,020	605	390
May.....	2,980	2,512	5,636	715	750	610	805	1,755	3,195	605	390
June.....	3,150	2,457	5,719	715	750	575	805	1,815	3,205	605	390
July.....	3,201	2,537	5,884	720	760	590	795	1,795	3,150	615	390
August.....	3,022	2,385	5,559	720	760	540	751	1,858	3,130	630	375
September.....	3,095	2,517	5,774	700	760	560	790	1,840	3,140	630	385
October.....	3,005	2,642	5,814	R700	800	560	800	1,922	3,165	630	385
November.....	3,210	2,743	6,118	R700	800	535	830	1,875	3,190	640	385
December.....	3,198	2,760	6,130	R710	800	585	830	1,891	3,115	640	385
1996 Average.....	3,104	2,568	5,822	R709	756	570	795	1,823	3,131	623	387
1997 January.....	3,268	2,693	6,126	R700	820	565	840	1,874	3,210	650	385
February.....	3,263	2,660	6,074	R715	820	561	R830	1,920	3,240	640	385
March.....	3,063	2,638	5,863	R720	830	594	R830	1,900	3,215	620	380
April.....	3,388	2,515	R6,063	R720	R840	594	R830	1,823	3,230	650	390
May.....	3,194	2,315	5,677	720	840	635	830	1,737	3,275	650	390
1997 Average.....	3,234	2,563	5,958	715	830	590	832	1,850	3,234	642	386

^{1/} North Sea includes the United Kingdom Offshore, Norway, Denmark, Netherlands Offshore, and Germany Offshore.
R=Revised data.

Notes: •Monthly data are often preliminary and also may not average to the annual totals due to rounding. See Section 4 for historical series.

Sources: See end of Section 1.

Table 1.1c World Crude Oil Production (Including Lease Condensate), 1985-Present
(Thousand Barrels per Day)

	Egypt	Gabon	India	Malaysia	Mexico	Oman	Russia	Former U.S.S.R.	Syria	United States	Other ^{1/}	World
1985 Average.....	887	172	620	440	2,745	498	--	11,585	178	8,971	2,124	53,982
1986 Average.....	813	166	630	504	2,435	560	--	11,895	194	8,680	2,166	56,227
1987 Average.....	896	155	609	497	2,548	582	--	12,050	230	8,349	2,120	56,666
1988 Average.....	848	159	635	540	2,512	617	--	12,053	265	8,140	2,235	58,737
1989 Average.....	865	208	700	585	2,520	641	--	11,715	340	7,613	2,249	59,863
1990 Average.....	873	270	660	619	2,553	685	--	10,975	388	7,355	2,253	60,566
1991 Average.....	874	294	615	646	2,680	700	--	9,992	492	7,417	2,274	60,207
1992 Average.....	881	298	561	653	2,669	740	7,632	--	481	7,171	3,233	60,216
1993 Average.....	890	313	534	640	2,673	776	6,730	--	554	6,847	3,290	60,247
1994 Average.....	896	329	590	645	2,685	810	6,135	--	560	6,662	3,393	61,003
1995 Average.....	920	345	703	682	2,618	851	5,995	--	610	6,560	3,423	62,446
1996 January.....	920	360	675	680	2,795	865	5,763	--	605	6,495	3,432	63,385
February....	920	360	700	680	2,800	865	5,867	--	605	R6,577	3,457	R63,786
March.....	920	370	665	680	2,870	870	5,755	--	605	R6,571	3,429	R63,635
April.....	920	370	685	700	2,860	880	5,763	--	600	R6,444	3,445	R63,490
May.....	920	370	660	700	2,875	880	5,789	--	600	R6,394	3,458	R63,488
June.....	920	370	650	700	2,880	880	5,763	--	600	R6,458	3,462	R63,815
July.....	920	370	625	700	2,870	885	5,737	--	600	R6,338	3,563	R63,906
August.....	920	370	625	700	2,830	885	5,780	--	600	R6,360	3,569	R63,576
September...	920	370	625	700	2,860	890	5,750	--	600	R6,482	3,574	R64,033
October.....	920	370	625	700	2,860	900	5,737	--	600	R6,481	3,642	R64,389
November....	930	370	630	700	2,860	900	5,832	--	610	R6,476	3,666	R64,847
December....	930	370	650	700	2,900	900	5,755	--	620	R6,506	3,661	R65,426
1996 Average.....	922	368	651	695	2,855	883	5,774	--	604	R6,465	3,530	R63,982
1997 January.....	885	370	650	730	2,940	890	5,789	--	620	E6,387	3,721	R65,692
February....	885	370	650	730	2,970	900	5,729	--	620	E6,514	3,700	R66,101
March.....	R890	370	R660	730	2,970	900	5,772	--	620	E6,470	R3,740	R66,097
April.....	R890	370	R660	R750	2,945	900	R5,893	--	620	RE6,483	R3,771	R66,662
May.....	890	370	660	750	2,985	900	5,910	--	620	PE6,429	3,776	66,047
1997 Average.....	888	370	656	738	2,962	898	5,820	--	620	PE6,455	3,742	66,117

^{1/} Other is a calculated total derived from the difference between "World" and the sum of production in "Total OPEC" (Table 1.1a) and all other countries listed (Tables 1.1b and 1.1c). The total "North Sea" is not subtracted from the world total, though Norway and the United Kingdom have been subtracted.

-- = Not applicable. R=Revised data. E=Estimated. PE=Preliminary estimate. RE=Revised estimate.

Notes: •Monthly data are often preliminary and also may not average to the annual totals due to rounding. See Section 4 for historical series.

Sources: See end of Section 1.

Table 1.2 OPEC Crude Oil Production (Excluding Condensate), 1985-Present
(Thousand Barrels per Day)

	Algeria	Indonesia	Iran	Iraq	Kuwait ^{1/}	Libya	Nigeria	Qatar	Saudi Arabia ^{1/}	United Arab Emirates	Venezuela	Total OPEC
1985 Average...	702	1,181	2,250	1,433	1,023	1,059	1,475	301	3,388	1,133	1,558	15,503
1986 Average...	600	1,257	2,035	1,690	1,419	1,034	1,447	308	4,870	1,270	1,645	17,575
1987 Average...	648	1,189	2,298	2,079	1,585	972	1,291	293	4,265	1,441	1,587	17,648
1988 Average...	640	1,177	2,240	2,685	1,492	1,175	1,400	346	5,086	1,465	1,715	19,421
1989 Average...	690	1,231	2,810	2,897	1,783	1,150	1,666	380	5,064	1,783	1,747	21,201
1990 Average...	765	1,281	3,088	2,040	1,175	1,375	1,755	406	6,410	2,066	2,097	22,458
1991 Average...	800	1,410	3,312	305	190	1,483	1,832	395	8,115	2,326	2,338	22,506
1992 Average...	772	1,326	3,429	425	1,058	1,433	1,820	423	8,332	2,206	2,334	23,558
1993 Average...	747	1,327	3,540	512	1,852	1,361	1,835	413	8,198	2,109	2,410	24,304
1994 Average...	750	1,334	3,600	548	2,034	1,378	1,887	409	8,147	2,183	2,542	24,812
1995 Average...	767	1,343	3,608	550	2,057	1,390	1,876	449	8,231	2,197	2,710	25,179
1996 January...	790	1,360	3,700	550	2,038	1,400	2,010	465	8,118	2,210	2,900	25,540
February...	790	1,360	3,650	550	2,057	1,400	2,030	465	8,248	2,185	2,900	25,635
March.....	780	1,360	3,680	550	2,057	1,400	2,040	465	8,248	2,205	2,950	25,735
April.....	800	1,350	3,650	550	2,067	1,400	2,010	470	8,088	2,170	2,950	25,505
May.....	815	1,350	3,600	550	2,055	1,400	2,050	470	8,135	2,195	2,950	25,570
June.....	820	1,370	3,650	550	2,065	1,400	2,050	470	8,195	2,190	2,950	25,710
July.....	820	1,340	3,650	550	2,065	1,400	2,020	470	8,295	2,180	3,000	25,790
August.....	820	1,360	3,680	550	2,040	1,400	2,040	470	8,220	2,180	3,050	25,810
September...	820	1,380	3,700	550	2,070	1,400	2,000	490	8,200	2,230	3,050	25,890
October...	830	1,400	3,600	550	2,075	1,400	2,110	490	8,255	2,230	3,100	26,040
November...	830	1,390	3,650	550	2,075	1,400	2,120	470	8,255	2,170	3,150	26,060
December...	830	1,390	3,600	890	2,077	1,410	2,125	510	8,358	2,225	3,200	26,615
1996 Average...	812	1,367	3,651	579	2,062	1,401	2,051	475	8,218	2,198	3,013	25,826
1997 January...	830	1,390	3,650	1,080	2,085	1,430	2,150	550	8,265	2,220	3,150	26,800
February...	840	1,410	3,650	1,120	2,077	1,430	2,210	550	8,408	2,250	3,150	27,095
March	850	1,420	3,650	1,170	2,105	1,440	2,140	550	8,515	2,280	3,160	27,280
April	850	1,380	3,650	1,270	2,107	1,450	2,210	550	8,568	2,280	3,180	27,495
May	850	1,400	3,600	1,320	2,027	1,450	2,170	570	8,548	2,130	3,200	27,265
1997 Average...	844	1,400	3,640	1,193	2,080	1,440	2,175	554	8,461	2,231	3,168	27,187

^{1/} Includes about one-half of the production in the Kuwait-Saudi Arabia Neutral Zone from 1980 through July 1990 and beginning in June 1991. Kuwaiti Neutral Zone output was discontinued following Iraq's invasion of Kuwait on August 2, 1990, but was resumed in June 1991. From August 1990 through May 1991, all production in the Neutral Zone was included in the data for Saudi Arabia. In May 1997, Neutral Zone production by both Kuwait and Saudi Arabia totaled about 495 thousand barrels per day.

Notes: •OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

•Monthly data are often preliminary and also may not average to the annual totals due to rounding.

Sources: See end of Section 1.

Table 1.3 World Natural Gas Plant Liquids Production, 1985-Present
(Thousand Barrels per Day)

	Algeria	Canada	Mexico	Saudi Arabia	Russia	Former USSR	United States ^{1/}	Persian Gulf ^{2/}	OAPEC ^{3/}	OPEC ^{3/}	World
1985 Average.....	120	337	271	375	--	350	1,609	645	808	892	3,938
1986 Average.....	120	328	352	385	--	440	1,551	700	860	969	4,150
1987 Average.....	140	367	338	418	--	430	1,595	721	900	1,006	4,279
1988 Average.....	120	381	370	499	--	450	1,625	808	979	1,077	4,481
1989 Average.....	130	410	384	503	--	425	1,546	851	1,041	1,188	4,502
1990 Average.....	130	426	428	620	--	425	1,559	930	1,107	1,281	4,632
1991 Average.....	140	431	457	680	--	420	1,659	931	1,113	1,299	4,827
1992 Average.....	140	460	454	713	230	--	1,697	1,003	1,185	1,364	4,973
1993 Average.....	145	506	459	704	220	--	1,736	1,040	1,238	1,435	5,169
1994 Average.....	140	529	461	698	200	--	1,727	1,071	1,267	1,465	5,282
1995 Average.....	145	581	447	701	180	--	1,762	1,106	1,301	1,506	5,474
1996 January.....	145	585	470	690	248	--	R1,716	1,075	1,267	1,445	R5,528
February.....	145	545	475	700	248	--	R1,680	1,085	1,277	1,455	R5,473
March.....	145	615	475	700	248	--	R1,814	1,085	1,277	1,455	R5,669
April.....	145	615	475	690	248	--	R1,845	1,075	1,267	1,445	R5,677
May.....	145	565	475	690	248	--	R1,806	1,075	1,267	1,445	R5,599
June.....	145	560	485	695	248	--	R1,833	1,080	1,272	1,450	R5,615
July.....	145	610	440	705	248	--	R1,829	1,090	1,282	1,460	R5,632
August.....	145	618	335	700	248	--	R1,858	1,085	1,277	1,455	R5,539
September.....	145	595	340	695	248	--	R1,872	1,080	1,272	1,450	R5,554
October.....	145	620	370	695	248	--	R1,912	1,080	1,272	1,450	R5,710
November.....	145	615	370	695	248	--	1,915	1,080	1,272	1,450	R5,682
December.....	145	640	370	705	248	--	1,876	1,090	1,282	1,460	5,699
1996 Average.....	145	599	423	697	248	--	R1,830	1,082	1,274	1,452	R5,615
1997 January.....	145	660	370	700	248	--	1,815	1,085	1,277	1,455	5,653
February.....	145	645	375	710	248	--	1,900	1,095	1,287	1,465	5,718
March.....	145	652	385	720	248	--	1,907	1,105	1,297	1,475	5,752
April.....	145	610	360	725	248	--	R1,849	1,110	1,302	1,480	R5,624
May.....	145	597	360	725	248	--	E1,902	1,110	1,302	1,480	5,644
1997 Average.....	145	633	370	716	248	--	E1,874	1,101	1,293	1,471	5,677

^{1/} U.S. geographic coverage is the 50 States and the District of Columbia. Excludes fuel ethanol blended into finished motor gasoline.

^{2/} See Appendix A for countries in this group.

^{3/} OAPEC=Organization of Arab Petroleum Exporting Countries. OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in these groups.

R=Revised data. E=Estimated.

Notes: •Monthly data are often preliminary and also may not average to the annual totals due to rounding. See Section 4 for historical series.

Sources: See end of Section 1.

Table 1.4 World Oil Supply, 1985-Present
(Thousand Barrels per Day)

	United States ^{1/}	Persian Gulf ^{2/}	OAPEC ^{3/}	OPEC ^{3/}	World
1985 Average.....	11,192	10,320	11,498	17,151	59,264
1986 Average.....	10,905	12,441	13,653	19,310	61,771
1987 Average.....	10,648	12,869	13,992	19,589	62,429
1988 Average.....	10,473	14,310	15,662	21,465	64,707
1989 Average.....	9,880	15,733	16,658	23,323	65,894
1990 Average.....	9,677	16,249	17,232	24,536	66,756
1991 Average.....	9,883	15,704	16,747	24,625	66,634
1992 Average.....	9,768	17,010	17,871	25,818	66,937
1993 Average.....	9,602	17,792	18,505	26,610	67,345
1994 Average.....	9,413	18,072	18,745	27,031	68,218
1995 Average.....	9,400	18,439	19,192	27,654	69,916
1996 January.....	R9,346	18,382	19,059	27,996	R71,040
February.....	R9,348	18,467	19,196	28,101	R71,342
March.....	R9,503	18,517	19,207	28,201	R71,413
April.....	R9,430	18,297	19,034	27,961	R71,299
May.....	R9,357	18,307	19,104	28,026	R71,236
June.....	R9,369	18,427	19,179	28,171	R71,500
July.....	R9,328	18,527	19,279	28,261	R71,690
August.....	R9,365	18,452	19,179	28,276	R71,253
September.....	R9,516	18,547	19,254	28,351	R71,741
October.....	R9,515	18,507	19,319	28,451	R72,213
November.....	R9,636	18,477	19,259	28,471	R72,766
December.....	R9,620	18,977	19,833	29,036	R73,355
1996 Average.....	R9,445	18,491	19,243	28,277	R71,738
1997 January.....	9,249	19,162	19,943	29,216	R73,384
February.....	9,519	19,377	20,168	29,521	R73,916
March.....	9,482	R19,602	R20,418	R29,716	R73,945
April.....	RE9,385	R19,762	R20,584	R29,936	R74,331
May.....	E9,537	19,532	20,404	29,706	73,888
1997 Average.....	PE9,433	19,487	20,304	29,619	73,890

^{1/} U.S. geographic coverage is the 50 States and the District of Columbia. Beginning in 1993, includes fuel ethanol blended into finished motor gasoline and oxygenate production from merchant MTBE plants.

^{2/} See Appendix A for countries in this group.

^{3/} OAPEC=Organization of Arab Petroleum Exporting Countries. OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in these groups.

R=Revised data. E=Estimated. PE=Preliminary estimate. RE=Revised estimate.

Notes: •Oil Supply includes crude oil, natural gas plant liquids, other liquids, and refinery gain. See Explanatory Note 1 in Appendix B. •Monthly data are often preliminary and also may not average to the annual total due to rounding. See Section 4 for historical series.

Sources: See end of Section 1.

Table 1.5 Oil Stocks in OECD Countries, End of Period
(Million Barrels)

		France	Italy	Germany ^{1/}	United Kingdom	OECD Europe ^{2/}	United States ^{3/}	Canada	Japan	Other ^{4/}	Total OECD
1985	December.....	139	157	233	123	1,092	1,519	113	494	66	3,284
1986	December.....	127	155	252	124	1,133	1,593	111	509	72	3,418
1987	December.....	127	169	259	121	1,130	1,607	126	540	71	3,474
1988	December.....	140	155	266	112	1,118	1,597	116	538	71	3,440
1989	December.....	138	164	271	118	1,133	1,581	114	577	71	3,476
1990	December.....	140	172	265	112	1,163	1,621	121	590	73	3,568
1991	December.....	153	160	288	119	1,181	1,617	119	606	65	3,588
1992	December.....	146	174	310	113	1,219	1,592	107	603	67	3,588
1993	December.....	158	163	309	118	1,221	1,647	105	618	69	3,661
1994	December.....	158	164	312	115	1,240	1,653	119	645	69	3,726
1995	December.....	159	162	301	107	1,228	1,563	109	630	71	3,601
1996	January.....	154	157	301	107	R1,236	R1,544	104	638	R73	R3,596
	February.....	156	156	298	103	R1,224	1,500	R102	615	R69	R3,511
	March.....	157	153	296	106	R1,212	1,482	R109	627	R70	R3,500
	April.....	165	150	298	109	1,236	R1,502	108	622	72	R3,540
	May.....	163	157	295	105	R1,232	R1,520	104	641	R74	R3,571
	June.....	160	158	296	104	R1,229	1,546	104	640	R73	R3,593
	July.....	162	155	297	105	R1,242	1,550	107	637	R83	R3,619
	August.....	160	159	295	101	R1,236	R1,545	108	658	R79	R3,627
	September....	152	162	295	105	1,228	R1,551	110	664	R83	R3,637
	October.....	156	155	296	104	R1,236	R1,538	110	673	R82	R3,638
	November.....	160	R152	296	106	R1,243	R1,522	104	665	R81	R3,614
	December.....	158	R152	300	108	R1,255	R1,507	R102	651	R74	R3,590
1997	January.....	156	158	304	107	1,278	1,503	103	650	80	3,614
	February.....	159	156	307	105	R1,270	1,482	100	642	75	R3,570
	March.....	160	160	310	109	1,267	1,512	103	650	75	3,607

1/ Through December 1990, the data for Germany are for the former West Germany only. Beginning with January 1991, the data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

2/ "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

3/ U.S. geographic coverage is the 50 States and the District of Columbia.

4/ "Other" consists of Australia, New Zealand, and the U.S. Territories.

R=Revised data.

Notes: •Oil Stocks - See Explanatory Note 2 in Appendix B. •See Section 4 for historical series.

Sources: See end of Section 1.

Table 1.6 Commercial and Government-Owned Oil Stocks in OECD Countries (End of March 1997)
(Million Barrels)

Country	Commercial	Government Owned	Total
Canada.....	103	0	103
United States ¹ /.....	949	563	1,512
United States Territories.....	23	0	23
Japan.....	343	307	650
Australia/New Zealand.....	53	NA	53
Austria.....	22	0	22
Belgium/Luxembourg.....	31	0	31
Denmark.....	25	0	25
Finland.....	24	0	24
France.....	160	0	160
Germany ² /.....	255	55	310
Greece.....	25	NA	25
Ireland.....	6	2	8
Italy.....	154	6	160
Netherlands.....	95	0	95
Norway.....	52	0	52
Portugal.....	24	0	24
Spain.....	97	0	97
Sweden.....	29	0	29
Switzerland.....	45	0	45
Turkey.....	52	0	52
United Kingdom.....	109	0	109
OECD Europe.....	1,204	63	1,267
Total OECD.....	2,674	933	3,607

¹/ U.S. geographic coverage is the 50 States and the District of Columbia.

²/ Data are for the unified Germany, i.e., the former East Germany and West Germany.

NA=Not Available.

Notes: •Sum of components may not equal total due to rounding. •Oil Stocks - See Explanatory Note 2 in Appendix B.
•OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group.

Sources: See end of Section 1.

Table 1.7. OECD Oil Demand, 1985-Present
(Thousand Barrels per Day)

		France	Italy	Germany ^{1/}	United Kingdom	OECD Europe ^{2/}	United States ^{3/}	Canada	Japan	Other ^{4/}	Total OECD
1985	Average....	1,775	1,717	2,338	1,634	11,681	15,726	1,504	4,384	976	34,271
1986	Average....	1,772	1,738	2,498	1,649	12,102	16,281	1,506	4,439	951	35,279
1987	Average....	1,789	1,855	2,424	1,603	12,255	16,665	1,548	4,484	959	35,911
1988	Average....	1,797	1,836	2,422	1,697	12,427	17,283	1,693	4,752	939	37,093
1989	Average....	1,857	1,930	2,280	1,738	12,531	17,325	1,733	4,983	998	37,570
1990	Average....	1,818	1,872	2,382	1,752	12,629	16,988	1,690	5,140	1,027	37,475
1991	Average....	1,935	1,863	2,828	1,801	13,391	16,714	1,622	5,284	1,056	38,067
1992	Average....	1,926	1,937	2,843	1,803	13,605	17,033	1,643	5,446	1,041	38,768
1993	Average....	1,875	1,852	2,900	1,815	13,523	17,237	1,688	5,401	1,118	38,967
1994	Average....	1,833	1,841	2,879	1,837	13,597	17,718	1,727	5,674	1,174	39,890
1995	Average....	1,896	2,048	2,875	1,845	14,120	17,725	1,755	5,711	1,227	40,537
1996	January....	R1,879	R2,115	R2,897	R1,763	R14,079	18,261	R1,805	R6,216	R1,163	R41,523
	February...	R2,182	R2,262	R3,039	R1,917	R15,124	18,620	R1,878	R6,766	R1,174	R43,562
	March.....	R1,979	R2,184	R2,855	R1,859	R14,240	18,301	R1,729	R6,325	R1,150	R41,745
	April.....	R1,919	R1,950	R2,746	R1,854	R13,714	17,885	R1,622	R5,629	R1,151	R40,001
	May.....	R1,808	R1,875	R2,857	R1,843	R13,763	17,957	R1,702	R5,035	R1,110	R39,565
	June.....	R1,819	R1,924	R2,833	R1,738	R13,562	18,107	R1,720	R5,000	R1,131	R39,520
	July.....	R1,977	R2,165	R2,954	R1,790	R14,249	18,211	R1,784	R5,392	R1,079	R40,714
	August.....	R1,839	R1,784	R3,029	R1,792	R13,852	18,658	R1,857	R5,457	R1,118	R40,942
	September..	R1,929	R2,069	R3,102	R1,876	R14,754	17,655	R1,762	R5,247	R1,017	R40,434
	October....	R1,989	R2,195	R2,849	R1,910	R14,635	19,171	R1,789	R5,469	R1,122	R42,187
	November...	R1,878	R2,080	R2,982	R1,963	R14,655	18,535	R1,940	R6,000	R1,053	R42,183
	December...	R2,021	R2,097	R2,799	R1,836	R14,556	18,334	R1,766	R6,538	R1,206	R42,400
	Average....	R1,934	R2,058	R2,911	R1,845	R14,262	18,309	R1,779	R5,754	R1,123	R41,226
1997	January....	2,164	R2,033	R2,909	1,828	R14,531	18,560	R1,844	6,290	R1,127	R42,352
	February...	2,136	R2,127	R2,680	1,906	R14,671	18,308	R1,872	R6,751	R1,155	R42,756
	March.....	1,795	1,930	2,669	1,749	13,527	17,869	1,761	6,137	1,133	40,426

^{1/} Through December 1990, the data for Germany are for the former West Germany only. Beginning with January 1991, the data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

^{2/} "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

^{3/} U.S. geographic coverage is the 50 States and the District of Columbia.

^{4/} "Other" consists of Australia, New Zealand, and the U.S. Territories.

R=Revised data.

Notes: •The term Demand is used interchangeably with Consumption and Petroleum Products Supplied. See Appendix C for definition. •See Section 4 for historical series.

Sources: See end of Section 1.

Sources for Section 1 (Annual and Monthly Oil Data)

Crude Oil Production, Natural Gas Liquids Production, Other Liquids, and Refinery Gain

United States: Energy Information Administration (EIA), Petroleum Supply Annual 1996 and Petroleum Supply Monthly, June 1997.

Other Countries: Annual data -- EIA, International Energy Annual, various issues. Monthly data -- Canada -- Maclean Hunter Publishing Company, Oilweek, various issues. Denmark, Mexico, Netherlands, Norway, Germany, and all OPEC countries -- Petroleum and Energy Intelligence Weekly, Inc., Petroleum Intelligence Weekly, various issues. All Other Countries -- PennWell Publishing Company, Oil and Gas Journal, various issues. Refinery Gains: National Petroleum Council, U.S. Petroleum Refinery Study, October 1986.

Oil Stocks

United States: EIA, Petroleum Supply Annual 1996 and Petroleum Supply Monthly, June 1997.

Other OECD Countries: • Organization for Economic Cooperation and Development (OECD), Quarterly Oil Statistics and Energy Balances, various issues. • OECD, Monthly Oil Statistics data base, 1985-1997.

Oil Demand

United States: EIA, Petroleum Supply Annual 1996 and Petroleum Supply Monthly, June 1997.

Other OECD Countries: • OECD, Quarterly Oil Statistics and Energy Balances, various issues. • OECD, Monthly Oil Statistics data base, 1985-1997.

2. International Oil Balance Data

Table 2.1 World Oil Balance, 1993-1997
(Million Barrels Per Day)

	1993	1994	1995	1996				1997					
		Annual		Quarter				Annual	Quarter				Annual
		Average		First	Second	Third	Fourth	Average	First	Second	Third	Fourth	Average
Supply ^{1/}													
OECD													
United States ^{2/}	9.60	9.41	9.40	9.40	9.39	9.40	9.59	9.44	9.41	NA	NA	NA	NA
Other OECD.....	8.40	9.25	9.80	10.18	10.13	10.19	10.62	10.28	10.66	NA	NA	NA	NA
Total OECD.....	18.00	18.66	19.20	19.58	19.52	19.59	20.21	19.73	20.08	NA	NA	NA	NA
Non-OECD													
OPEC.....	26.61	27.03	27.65	28.10	28.05	28.30	28.65	28.28	29.48	NA	NA	NA	NA
Former USSR.....	7.96	7.27	7.15	7.10	7.08	7.06	7.08	7.08	7.07	NA	NA	NA	NA
Other Non-OECD.....	14.78	15.25	15.91	16.48	16.69	16.61	16.83	16.65	17.11	NA	NA	NA	NA
Total Non-OECD.....	49.34	49.56	50.71	51.68	51.82	51.97	52.57	52.01	53.67	NA	NA	NA	NA
Total World Supply.....	67.34	68.22	69.92	71.26	71.34	71.56	72.78	71.74	73.74	NA	NA	NA	NA
Demand ^{3/}													
OECD													
United States ^{2/}	17.24	17.72	17.72	18.39	17.98	18.18	18.68	18.31	18.24	NA	NA	NA	NA
Other OECD.....	21.73	22.17	22.81	23.86	21.71	22.52	23.58	22.92	23.57	NA	NA	NA	NA
Total OECD.....	38.97	39.89	40.54	42.25	39.69	40.70	42.26	41.23	41.81	NA	NA	NA	NA
Non-OECD													
China.....	2.96	3.14	3.31	3.51	3.56	3.60	3.65	3.58	3.72	NA	NA	NA	NA
Former USSR.....	5.64	4.85	4.72	4.75	4.27	4.27	4.65	4.49	4.77	NA	NA	NA	NA
Other Non-OECD.....	19.48	20.43	21.62	22.49	22.41	21.73	23.21	22.46	23.62	NA	NA	NA	NA
Total Non-OECD.....	28.08	28.42	29.66	30.75	30.25	29.60	31.51	30.53	32.11	NA	NA	NA	NA
Total World Demand.....	67.04	68.31	70.19	73.00	69.95	70.30	73.77	71.75	73.93	NA	NA	NA	NA
Stock Draws / Discrepancy													
Net Reported Stock Draws ^{4/}													
U. S. Commercial.....	-.12	.00	.25	.86	-.77	-.16	.39	.08	-.09	NA	NA	NA	NA
U. S. Strategic.....	-.03	-.01	.00	.03	.05	.11	.09	.07	.03	NA	NA	NA	NA
Other OECD.....	-.05	-.16	.09	.22	-.31	-.42	.04	-.12	-.14	NA	NA	NA	NA
For Export & Afloat.....	-.04	.03	-.12	-.49	-.11	-.16	-.54	-.33	-.11	NA	NA	NA	NA
Commr. Floating Storage...	.00	.00	.00	.00	.00	.00	.00	.00	.00	NA	NA	NA	NA
Total Reported Draws.....	-.24	-.15	.22	.62	-1.14	-.64	-.03	-.30	-.31	NA	NA	NA	NA
Other Stock Draws and Statistical Discrepancy ^{5/}	-.06	.25	.06	1.12	-.26	-.62	1.02	.31	.49	NA	NA	NA	NA

^{1/} Supply includes production of crude oil (including lease condensate), natural gas plant liquids, other hydrogen and hydrocarbons for refinery feedstocks, refinery gains, alcohol, and liquids produced from coal and other sources.

^{2/} U.S. geographical coverage is the 50 States and the District of Columbia. See Explanatory Note 1 in Appendix B.

^{3/} The term Demand is used interchangeably with the terms Consumption and Petroleum Products Supplied. See Appendix C for definition.

^{4/} Stock draws are positive numbers, stock additions are negative numbers.

^{5/} This is computed as Total Demand minus the sum of Total Supply and Total Reported Stock Draw.

NA = Not Available.

Note: Sum of components may not equal total due to rounding.

Sources: See end of Section 2.

Table 2.2 World Oil Supply, 1993-1997
(Million Barrels Per Day)

	1993	1994	1995	1996					1997				
		Annual		Quarter				Annual	Quarter				Annual
		Average		First	Second	Third	Fourth	Average	First	Second	Third	Fourth	Average
OECD													
United States ¹ /...	9.60	9.41	9.40	9.40	9.39	9.40	9.59	9.44	9.41	NA	NA	NA	NA
Canada.....	2.24	2.33	2.45	2.40	2.43	2.49	2.57	2.47	2.60	NA	NA	NA	NA
North Sea ² /.....	4.67	5.38	5.80	6.23	6.09	6.10	6.45	6.22	6.45	NA	NA	NA	NA
Other OECD.....	1.48	1.54	1.55	1.56	1.61	1.60	1.59	1.59	1.62	NA	NA	NA	NA
Total OECD.....	18.00	18.66	19.20	19.58	19.52	19.59	20.21	19.73	20.08	NA	NA	NA	NA
Non-OECD													
OPEC													
Crude													
Algeria.....	1.16	1.18	1.20	1.22	1.24	1.25	1.26	1.24	1.27	NA	NA	NA	NA
Indonesia.....	1.51	1.51	1.50	1.54	1.54	1.54	1.57	1.55	1.59	NA	NA	NA	NA
Iran.....	3.54	3.62	3.64	3.71	3.67	3.71	3.65	3.69	3.68	NA	NA	NA	NA
Iraq.....	.51	.55	.56	.55	.55	.55	.67	.58	1.13	NA	NA	NA	NA
Kuwait.....	1.85	2.02	2.06	2.05	2.06	2.06	2.08	2.06	2.09	NA	NA	NA	NA
Libya.....	1.36	1.38	1.39	1.40	1.40	1.40	1.40	1.40	1.43	NA	NA	NA	NA
Nigeria.....	1.96	1.93	1.99	2.18	2.19	2.17	2.22	2.19	2.27	NA	NA	NA	NA
Qatar.....	.41	.41	.48	.50	.50	.51	.53	.51	.58	NA	NA	NA	NA
Saudi Arabia..	8.20	8.12	8.23	8.20	8.14	8.24	8.29	8.22	8.40	NA	NA	NA	NA
United Arab													
Emirates...	2.16	2.19	2.28	2.28	2.27	2.28	2.29	2.28	2.33	NA	NA	NA	NA
Venezuela.....	2.45	2.59	2.75	2.96	2.99	3.07	3.19	3.05	3.19	NA	NA	NA	NA
Natural Gas													
Plant Liquids	1.44	1.46	1.51	1.45	1.45	1.46	1.45	1.45	1.46	NA	NA	NA	NA
Processing Gain.	.06	.06	.06	.06	.06	.06	.06	.06	.06	NA	NA	NA	NA
Total OPEC.....	26.61	27.03	27.65	28.10	28.05	28.30	28.65	28.28	29.48	NA	NA	NA	NA
Former USSR.....	7.96	7.27	7.15	7.10	7.08	7.06	7.08	7.08	7.07	NA	NA	NA	NA
China.....	2.89	2.94	2.99	3.09	3.14	3.14	3.16	3.13	3.22	NA	NA	NA	NA
Mexico.....	3.16	3.17	3.09	3.32	3.38	3.25	3.27	3.31	3.36	NA	NA	NA	NA
Other Non-OECD....	8.73	9.14	9.83	10.07	10.17	10.22	10.41	10.22	10.53	NA	NA	NA	NA
Total Non-OECD....	49.34	49.56	50.71	51.68	51.82	51.97	52.57	52.01	53.67	NA	NA	NA	NA
Total Supply.....	67.34	68.22	69.92	71.26	71.34	71.56	72.78	71.74	73.74	NA	NA	NA	NA

¹/ U.S. geographic coverage is the 50 States and the District of Columbia.

²/ North Sea includes the United Kingdom Offshore, Norway, Denmark, Netherlands Offshore, and Germany Offshore.

Notes: *Supply includes crude oil (including lease condensate), natural gas plant liquids, (except for individual OPEC countries), other hydrogen and hydrocarbons for refinery feedstocks, alcohol, liquids produced from coal and other sources, and processing gain (except for individual OPEC countries). For OPEC, natural gas plant liquids production and processing gain are shown as separate lines. *Sum of components may not equal total due to rounding.

NA = Not Available.

Sources: See end of Section 2.

Table 2.3 Oil Stocks, End of Period
(Million Barrels)

	1993	1994	1995	1996				1997			
		Year End		Quarter				Quarter			
				First	Second	Third	Fourth	First	Second	Third	Fourth
OECD											
United States ^{1/}											
Commercial.....	1,060	1,061	971	893	962	977	941	949	NA	NA	NA
Strategic.....	587	592	592	589	584	574	566	563	NA	NA	NA
U. S. Territories.....	25	26	24	22	23	29	25	23	NA	NA	NA
Canada.....	105	119	109	109	104	110	102	103	NA	NA	NA
Japan.....	618	645	630	627	640	664	651	650	NA	NA	NA
OECD Europe											
France.....	158	158	159	157	160	152	158	160	NA	NA	NA
Germany.....	309	312	301	296	296	295	300	310	NA	NA	NA
Italy.....	163	164	162	153	158	162	152	160	NA	NA	NA
United Kingdom.....	118	115	107	106	104	105	108	109	NA	NA	NA
Other OECD Europe....	475	490	499	501	511	514	536	528	NA	NA	NA
Total.....	1,221	1,240	1,228	1,212	1,229	1,228	1,255	1,267	NA	NA	NA
Australia & New Zealand	44	43	47	48	50	54	49	53	NA	NA	NA
Total OECD.....	3,661	3,726	3,601	3,500	3,593	3,637	3,590	3,607	NA	NA	NA
Stocks for Export											
and Afloat ^{2/}	945	935	980	1,025	1,035	1,050	1,100	1,110	NA	NA	NA
Commercial Floating ^{3/}	70	70	70	70	70	70	70	70	NA	NA	NA

^{1/} U.S. stock data include Alaskan crude oil in transit by water. These data were previously reported in stocks for export and afloat. U.S. geographic coverage is the 50 States and the District of Columbia.

^{2/} Stocks held at export terminals of major crude oil producing countries and commercial oil afloat based on quarterly analysis of world seaborne movements.

^{3/} Stocks stored by industry in tankers moored offshore. Excludes strategic storage.

NA = Not Available.

Notes: •Oil Stocks - See Note 2 in Appendix B. •Sum of components may not equal total due to rounding.

Sources: See end of Section 2.

Table 2.4 World Oil Demand, 1993-1997
(Million Barrels Per Day)

	1993	1994	1995	1996				1997					
		Annual		Quarter				Annual	Quarter				Annual
		Average		First	Second	Third	Fourth	Average	First	Second	Third	Fourth	Average
OECD													
United States ¹ /.....	17.24	17.72	17.72	18.39	17.98	18.18	18.68	18.31	18.24	NA	NA	NA	NA
U. S. Territories.....	.24	.26	.24	.21	.19	.17	.19	.19	.20	NA	NA	NA	NA
Canada.....	1.69	1.73	1.76	1.80	1.68	1.80	1.83	1.78	1.82	NA	NA	NA	NA
Japan.....	5.40	5.67	5.71	6.43	5.22	5.37	6.00	5.75	6.38	NA	NA	NA	NA
OECD Europe ² /													
France.....	1.88	1.83	1.90	2.01	1.85	1.91	1.96	1.93	2.03	NA	NA	NA	NA
Italy.....	1.85	1.84	2.05	2.19	1.92	2.01	2.12	2.06	2.03	NA	NA	NA	NA
United Kingdom.....	1.81	1.84	1.84	1.84	1.81	1.82	1.90	1.84	1.82	NA	NA	NA	NA
Germany ³ /.....	2.90	2.88	2.88	2.93	2.81	3.03	2.88	2.91	2.76	NA	NA	NA	NA
Other OECD Europe....	5.08	5.21	5.45	5.50	5.29	5.51	5.75	5.51	5.59	NA	NA	NA	NA
Total OECD Europe....	13.52	13.60	14.12	14.47	13.68	14.28	14.61	14.26	14.23	NA	NA	NA	NA
Australia & New Zealand	.88	.92	.99	.96	.94	.90	.94	.93	.94	NA	NA	NA	NA
Total OECD.....	38.97	39.89	40.54	42.25	39.69	40.70	42.26	41.23	41.81	NA	NA	NA	NA
Non-OECD													
China.....	2.96	3.14	3.31	3.51	3.56	3.60	3.65	3.58	3.72	NA	NA	NA	NA
Former USSR.....	5.64	4.85	4.72	4.75	4.27	4.27	4.65	4.49	4.77	NA	NA	NA	NA
Other Non-OECD.....	19.48	20.43	21.62	22.49	22.41	21.73	23.21	22.46	23.62	NA	NA	NA	NA
Total Non-OECD.....	28.08	28.42	29.66	30.75	30.25	29.60	31.51	30.53	32.11	NA	NA	NA	NA
Total World Demand.....	67.04	68.31	70.19	73.00	69.95	70.30	73.77	71.75	73.93	NA	NA	NA	NA

¹/ U.S. geographic coverage is the 50 States and the District of Columbia.

²/ "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

³/ Through December 1990, the data for Germany are for the former West Germany only. Beginning with January 1991, the data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

Notes: •Oil demand includes bunkers and refinery fuel. The term Demand is used interchangeably with the terms Consumption and Petroleum Products Supplied. See Appendix C for definition. •Sum of components may not equal total due to rounding.

NA = Not Available.

Sources: See end of Section 2.

Sources for Section 2 (International Oil Balance Data)

Crude Oil Production, Natural Gas Liquids Production, Other Liquids, and Refinery Gain

United States: Energy Information Administration (EIA), Petroleum Supply Annual 1996 and Petroleum Supply Monthly, June 1997.

Other Countries: Annual data -- EIA, International Energy Annual, various issues. Monthly data -- Canada -- Maclean Hunter Publishing Company, Oilweek, various issues. Denmark, Mexico, Netherlands, Norway, Germany, and all OPEC countries -- Petroleum and Energy Intelligence Weekly, Inc., Petroleum Intelligence Weekly, various issues. Other Countries -- PennWell Publishing Company, Oil and Gas Journal, various issues. Refinery Gains: National Petroleum Council, U.S. Petroleum Refinery Study, October 1986.

Oil Stocks

United States: EIA, Petroleum Supply Annual 1996 and Petroleum Supply Monthly, June 1997.

Other OECD Countries: • Organization for Economic Cooperation and Development (OECD), Quarterly Oil Statistics and Energy Balances, various issues. • OECD, Monthly Oil Statistics data base, 1990-1997. Stocks for Export and Afloat and Commercial Floating Stocks -- Petroleum Economics Limited, Oil Industry Developments, various issues.

Oil Demand

United States: EIA, Petroleum Supply Annual 1996 and Petroleum Supply Monthly, June 1997.

Other OECD Countries: • OECD, Quarterly Oil Statistics and Energy Balances, various issues. • OECD, Monthly Oil Statistics data base, 1990-1997.

OPEC Countries: EIA, International Energy Annual, various issues and Short-Term Energy Outlook, various issues.

Other countries: EIA, International Energy Annual, various issues and Short-Term Energy Outlook, various issues.

3. International Oil Imports

Table 3.1 Average Net Oil Imports into OECD Countries, (1996 Average)
(Million Barrels per Day)

	Total	OECD Europe						OECD Outside Europe			
		Total	United Kingdom	France	Germany ^{1/}	Italy	Other Europe ^{2/}	United States ^{3/}	Canada	Japan	Other ^{4/}
Total Net Imports..	21.377	7.338	-0.839	1.736	2.792	1.791	1.857	8.419	-0.801	5.790	0.631
Imports from OPEC ^{5/}	15.607	6.053	.234	.897	.660	1.244	3.018	4.194	.261	4.470	.630
Imports from Persian Gulf ^{6/}											
Total.....	9.215	3.171	.102	.573	.145	.502	1.849	1.594	.111	4.025	.313
Bahrain.....	.035	.001	.000	.001	.000	.001	.000	-.002	-	.033	.003
Iran.....	1.549	1.059	.017	.172	.018	.263	.588	.000	.039	.451	.000
Iraq.....	.007	.006	.000	.000	.000	.000	.006	.001	.000	.000	.000
Kuwait.....	1.034	.288	.032	.017	.016	.000	.223	.236	.000	.500	.010
U.A.E.....	1.474	.004	.000	.001	.000	.000	.003	-.003	.000	1.396	.077
Qatar.....	.352	.002	.000	.000	.000	.002	.000	.000	-	.335	.016
Saudi Arabia.....	4.763	1.811	.054	.381	.111	.236	1.029	1.363	.072	1.310	.207
Imports from OPEC-Africa											
Total.....	3.830	2.644	.090	.323	.462	.714	1.054	.872	.094	.032	.189
Algeria.....	1.089	.746	.023	.105	.125	.110	.383	.256	.063	.012	.012
Libya.....	1.204	1.204	.035	.051	.258	.580	.281	.000	.000	-	.000
Nigeria.....	1.537	.694	.032	.168	.079	.025	.389	.616	.031	.020	.177
Imports from OPEC-South America											
Total.....	1.968	.206	.042	.001	.053	.008	.103	1.667	.056	.003	.035
Venezuela.....	1.968	.206	.042	.001	.053	.008	.103	1.667	.056	.003	.035
Imports from OPEC-Far East											
Total.....	.630	.033	.000	.000	.000	.021	.012	.058	.000	.442	.097
Indonesia.....	.630	.033	.000	.000	.000	.021	.012	.058	.000	.442	.097

^{1/} The data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

^{2/} "Other Europe" consists of Austria, Belgium, Denmark, Finland, Greece, Iceland, Ireland, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and Turkey.

^{3/} U.S. geographic coverage is the 50 States and District of Columbia.

^{4/} "Other" consists of Australia, New Zealand, and U. S. Territories.

^{5/} OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

^{6/} The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.2 Net Oil Imports into OECD Countries, (1st Quarter 1997)
(Million Barrels per Day)

	Total	OECD Europe						OECD Outside Europe			
		Total	United Kingdom	France	Germany ^{1/}	Italy	Other Europe ^{2/}	United States ^{3/}	Canada	Japan	Other ^{4/}
Total Net Imports..	22.016	7.221	-0.869	1.797	2.746	1.860	1.688	8.617	-0.812	6.339	0.652
Imports from OPEC ^{5/}	16.302	6.042	.189	.902	.628	1.328	2.995	4.143	.316	5.102	.699
Imports from Persian Gulf ^{6/}											
Total.....	9.797	3.121	.070	.558	.105	.547	1.841	1.570	.113	4.656	.338
Bahrain.....	.021	.002	.000	.000	.000	.002	.000	-.002	-	.019	.002
Iran.....	1.452	.787	.000	.096	.017	.247	.427	.000	.043	.621	.001
Iraq.....	.362	.329	.000	.107	.000	.028	.195	.012	.000	.021	.000
Kuwait.....	1.167	.328	.038	.023	.009	.000	.257	.234	.000	.595	.011
U.A.E.....	1.591	.001	.000	.000	.000	.001	.000	-.005	.000	1.523	.072
Qatar.....	.340	.000	.000	.000	.000	.000	.000	.000	-	.336	.005
Saudi Arabia.....	4.864	1.674	.032	.332	.079	.271	.961	1.331	.070	1.541	.248
Imports from OPEC-Africa											
Total.....	3.922	2.752	.085	.344	.497	.762	1.065	.872	.107	.011	.179
Algeria.....	1.091	.720	.017	.193	.106	.089	.315	.303	.066	.000	.002
Libya.....	1.296	1.296	.060	.040	.250	.593	.352	.000	.000	-	.000
Nigeria.....	1.535	.736	.007	.111	.141	.079	.397	.569	.041	.011	.177
Imports from OPEC-South America											
Total.....	2.008	.159	.035	.000	.026	.010	.089	1.653	.096	.010	.091
Venezuela.....	2.008	.159	.035	.000	.026	.010	.089	1.653	.096	.010	.091
Imports from OPEC-Far East											
Total.....	.595	.012	.000	.000	.000	.012	.000	.047	.000	.443	.094
Indonesia.....	.595	.012	.000	.000	.000	.012	.000	.047	.000	.443	.094

^{1/} The data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

^{2/} "Other Europe" consists of Austria, Belgium, Denmark, Finland, Greece, Iceland, Ireland, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and Turkey.

^{3/} U.S. geographic coverage is the 50 States and District of Columbia.

^{4/} "Other" consists of Australia, New Zealand, and U. S. Territories.

^{5/} OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

^{6/} The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.3 Net Oil Imports into OECD Countries, (4th Quarter 1996)
(Million Barrels per Day)

	Total	OECD Europe						OECD Outside Europe			
		Total	United Kingdom	France	Germany ¹ /	Italy	Other Europe ² /	United States ³ /	Canada	Japan	Other ⁴ /
Total Net Imports..	21.861	7.975	-0.816	1.815	2.830	1.881	2.266	8.410	-0.930	5.788	0.617
Imports from OPEC ⁵ /	15.750	6.209	.227	.894	.638	1.310	3.141	4.050	.281	4.505	.704
Imports from Persian Gulf ⁶ /											
Total.....	9.403	3.195	.095	.556	.155	.511	1.878	1.609	.115	4.138	.346
Bahrain.....	.038	.002	.000	.000	.000	.002	.000	-.001	-	.036	.001
Iran.....	1.539	.976	.003	.143	.011	.239	.579	.000	.049	.514	.001
Iraq.....	.027	.022	.000	.000	.000	.000	.022	.005	.000	.000	.000
Kuwait.....	1.034	.268	.028	.006	.021	.000	.213	.250	.000	.507	.008
U.A.E.....	1.551	.004	.000	.000	.000	.000	.003	.003	.000	1.452	.092
Qatar.....	.274	.000	.000	.000	.000	.000	.000	.000	-	.269	.005
Saudi Arabia.....	4.941	1.923	.064	.406	.123	.270	1.060	1.352	.066	1.360	.240
Imports from OPEC-Africa											
Total.....	3.761	2.790	.101	.337	.446	.773	1.133	.647	.104	.020	.200
Algeria.....	1.039	.740	.032	.106	.090	.112	.400	.212	.084	.000	.003
Libya.....	1.221	1.221	.032	.055	.254	.611	.269	.000	.000	-	.000
Nigeria.....	1.502	.829	.038	.176	.102	.050	.464	.435	.021	.020	.196
Imports from OPEC-South America											
Total.....	2.027	.200	.031	.002	.037	.009	.122	1.713	.061	.005	.047
Venezuela.....	2.027	.200	.031	.002	.037	.009	.122	1.713	.061	.005	.047
Imports from OPEC-Far East											
Total.....	.597	.027	.000	.000	.000	.018	.008	.080	.000	.378	.112
Indonesia.....	.597	.027	.000	.000	.000	.018	.008	.080	.000	.378	.112

1/ The data for Germany are for unified Germany, i.e., the former East Germany and West Germany.

2/ "Other Europe" consists of Austria, Belgium, Denmark, Finland, Greece, Iceland, Ireland, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and Turkey.

3/ U.S. geographic coverage is the 50 States and District of Columbia.

4/ "Other" consists of Australia, New Zealand, and U. S. Territories.

5/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

6/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •Negative numbers represent net exports.

•A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.4 OECD Total Net Imports (Most Recent 12 Months)
(Million Barrels per Day)

	1996									1997		
	April	May	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar
Total.....	21.631	21.262	20.106	21.564	22.166	21.026	22.296	21.428	21.895	23.098	22.042	20.940
United States ¹ /....	8.381	9.023	9.025	8.808	8.970	7.974	8.702	8.119	8.400	8.595	8.460	8.780
Canada.....	-.829	-.799	-.822	-.628	-.755	-.667	-.798	-1.010	-.985	-.757	-.913	-.777
OECD Europe ² /.....	7.645	6.710	6.161	7.705	6.890	7.882	8.136	8.052	7.791	8.237	7.347	6.120
Main European Importers												
France.....	1.998	1.557	1.489	1.910	1.533	1.652	1.781	1.861	1.805	1.920	1.892	1.587
Germany ³ /.....	2.629	2.663	2.709	2.873	2.881	2.934	2.806	2.874	2.812	2.939	2.667	2.624
Italy.....	1.689	1.724	1.618	1.747	1.756	1.784	1.858	1.869	1.915	2.035	1.853	1.690
Spain.....	1.203	1.120	1.259	1.041	1.386	1.127	1.203	1.289	1.257	1.237	1.282	1.127
Netherlands.....	.772	.783	.729	.818	.680	.891	.815	.929	.815	.758	.745	.640
European Net Exporters												
Norway.....	-3.180	-2.954	-3.391	-2.954	-3.394	-3.166	-2.832	-3.484	-3.113	-3.181	-3.272	-3.415
United Kingdom....	-.721	-.865	-.846	-.912	-.859	-.672	-.737	-.712	-.995	-.952	-.856	-.797
Smaller European Importers												
Austria.....	.251	.202	.199	.248	.159	.249	.223	.217	.219	.196	.227	.182
Belgium.....	.583	.534	.488	.556	.495	.668	.581	.526	.670	.757	.560	.586
Denmark.....	.074	.013	.059	.029	.004	.014	.056	.038	-.030	.025	.062	.012
Ireland.....	.135	.142	.108	.147	.102	.138	.131	.106	.143	.140	.139	.093
Finland.....	.212	.026	.160	.260	.145	.220	.190	.252	.255	.242	.148	.110
Greece.....	.424	.315	.267	.228	.384	.339	.407	.437	.359	.411	.344	.344
Iceland.....	.010	.016	.021	.014	.019	.018	.018	.021	.009	.016	.010	.021
Luxembourg.....	.041	.039	.037	.039	.035	.036	.042	.041	.038	.039	.046	.043
Portugal.....	.320	.242	.201	.383	.260	.290	.228	.381	.222	.403	.251	.255
Sweden.....	.376	.361	.317	.435	.395	.377	.484	.482	.491	.365	.333	.387
Switzerland.....	.238	.233	.251	.264	.265	.282	.269	.281	.289	.249	.268	.234
Turkey.....	.590	.559	.485	.578	.645	.701	.613	.645	.630	.638	.648	.398
Japan.....	5.769	5.589	5.172	5.059	6.362	5.343	5.582	5.769	6.013	6.196	6.531	6.308
Other OECD.....	.665	.739	.571	.620	.698	.494	.673	.498	.676	.826	.617	.509

1/ U.S. geographic coverage is the 50 States and District of Columbia.

2/ "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

3/ The data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.5 OECD Imports from OPEC (Most Recent 12 Months)
(Million Barrels per Day)

	1996									1997		
	April	May	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar
Total.....	15.671	15.397	14.654	15.346	16.265	15.296	15.513	15.826	15.914	16.598	16.705	15.641
United States ¹ /....	3.974	4.527	4.246	4.607	4.638	4.194	4.267	3.961	3.920	4.066	4.109	4.251
Canada.....	.191	.203	.263	.240	.235	.257	.258	.282	.304	.313	.364	.274
OECD Europe ² /.....	6.240	5.812	5.609	5.959	5.877	6.197	5.866	6.535	6.237	6.372	6.453	5.341
Main European Importers												
France.....	.958	.928	.753	1.142	.720	.904	.795	1.003	.888	.820	1.095	.809
Germany ³ /.....	.684	.648	.623	.715	.622	.706	.615	.653	.647	.605	.618	.660
Italy.....	1.199	1.072	1.182	1.128	1.241	1.322	1.246	1.333	1.351	1.429	1.281	1.270
Spain.....	.761	.639	.776	.644	.807	.742	.887	.926	.864	.960	.773	.630
Netherlands.....	.834	.800	.653	.817	.724	.709	.794	.828	.947	.623	.819	.598
European Net Exporters												
Norway.....	.000	.000	.000	.000	.000	.006	.000	.000	.000	.009	.007	.000
United Kingdom....	.216	.305	.247	.158	.234	.288	.185	.310	.188	.179	.215	.176
Smaller European Importers												
Austria.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.107	.177	.000
Belgium.....	.256	.283	.280	.249	.251	.288	.294	.346	.238	.266	.200	.209
Denmark.....	.051	.024	.000	.000	.024	.025	.049	.032	.044	.025	.052	.000
Ireland.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Finland.....	.000	.000	.000	.000	.000	.000	.011	.000	.000	.000	.000	.000
Greece.....	.292	.313	.315	.198	.314	.309	.280	.302	.297	.362	.293	.275
Portugal.....	.313	.150	.134	.222	.240	.172	.080	.161	.145	.222	.196	.170
Sweden.....	.089	.083	.090	.143	.092	.093	.076	.040	.112	.145	.104	.108
Switzerland.....	.084	.082	.110	.097	.105	.113	.108	.093	.079	.107	.118	.086
Turkey.....	.502	.486	.445	.445	.502	.522	.447	.509	.436	.513	.506	.350
Japan.....	4.589	4.309	3.921	3.862	4.805	4.136	4.397	4.517	4.601	5.026	5.137	5.146
Other OECD.....	.677	.545	.616	.679	.709	.512	.725	.531	.852	.821	.641	.630

¹/ U.S. geographic coverage is the 50 States and District of Columbia.

²/ "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

³/ The data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development; OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in these groups. •Negative numbers represent net exports. •A dash (-) indicates no trade.

•Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.6 OECD Imports from Persian Gulf (Most Recent 12 Months)
(Million Barrels per Day)

	1996						1997					
	April	May	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar
Total.....	9.421	8.966	8.459	8.768	9.590	9.036	8.972	9.610	9.634	9.854	10.190	9.386
United States ¹ /....	1.467	1.743	1.521	1.812	1.746	1.580	1.632	1.519	1.673	1.548	1.533	1.625
Canada.....	.145	.122	.068	.130	.127	.132	.127	.090	.128	.130	.144	.067
OECD Europe ² /.....	3.365	2.844	3.024	3.024	3.053	3.337	2.932	3.507	3.156	3.190	3.435	2.768
Main European Importers												
France.....	.656	.545	.465	.705	.459	.533	.459	.642	.569	.535	.753	.404
Germany ³ /.....	.125	.134	.187	.178	.153	.199	.193	.167	.106	.088	.094	.131
Italy.....	.501	.307	.516	.447	.513	.569	.479	.540	.516	.550	.589	.507
Spain.....	.289	.217	.250	.298	.294	.353	.350	.327	.288	.340	.301	.355
Netherlands.....	.640	.551	.516	.543	.508	.489	.533	.639	.672	.452	.672	.456
European Net Exporters												
Norway.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
United Kingdom....	.086	.113	.120	.038	.083	.111	.097	.122	.067	.066	.059	.084
Smaller European Importers												
Austria.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.049	.000
Belgium.....	.233	.254	.256	.233	.228	.265	.277	.331	.219	.215	.162	.180
Denmark.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Finland.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Greece.....	.259	.287	.283	.076	.270	.266	.239	.270	.245	.317	.250	.232
Portugal.....	.143	.036	.019	.102	.137	.105	.023	.088	.100	.129	.098	.088
Sweden.....	.068	.064	.069	.129	.065	.068	.028	.029	.089	.132	.074	.077
Switzerland.....	.005	.009	.010	.009	.009	.010	.009	.005	.000	.004	.000	.005
Turkey.....	.361	.326	.332	.265	.333	.370	.244	.348	.286	.362	.334	.247
Japan.....	4.089	3.930	3.528	3.421	4.310	3.740	3.980	4.237	4.201	4.616	4.750	4.611
Other OECD.....	.355	.326	.318	.382	.355	.247	.300	.258	.477	.369	.328	.315

¹/ U.S. geographic coverage is the 50 States and District of Columbia.

²/ "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

³/ The data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •"Persian Gulf" consists of Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and the United Arab Emirates. •Negative numbers represent net exports.

•A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.7 United States--Net Oil Imports (Most Recent 12 Months)
(Million Barrels per Day)

	1996									1997		
	April	May	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar
Total Net Imports..	8.381	9.023	9.025	8.808	8.970	7.974	8.702	8.119	8.400	8.595	8.460	8.780
Imports from OPEC ^{1/}	3.974	4.527	4.246	4.607	4.638	4.194	4.267	3.961	3.920	4.066	4.109	4.251
Imports from Persian Gulf ^{2/}												
Total.....	1.467	1.743	1.521	1.812	1.746	1.580	1.632	1.519	1.673	1.548	1.533	1.625
Bahrain.....	-.003	.000	.000	-.004	.000	-.007	.000	-.003	.000	-.003	.000	-.003
Iran.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Iraq.....	.000	.000	.000	.000	.000	.000	.000	.000	.014	.000	.000	.035
Kuwait.....	.201	.230	.388	.266	.271	.236	.260	.228	.262	.209	.172	.315
U.A.E.....	-.019	-.005	-.005	.002	-.002	-.002	.015	-.003	-.003	.000	.000	-.014
Qatar.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Saudi Arabia.....	1.288	1.518	1.138	1.548	1.477	1.353	1.357	1.297	1.400	1.342	1.361	1.292
Imports from OPEC-Africa												
Total.....	.729	1.045	1.023	1.055	1.108	.879	.729	.679	.534	.813	.943	.867
Algeria.....	.211	.340	.313	.305	.323	.186	.209	.214	.214	.282	.319	.309
Libya.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Nigeria.....	.518	.705	.710	.750	.785	.693	.520	.465	.320	.531	.624	.558
Imports from OPEC-South America												
Total.....	1.721	1.690	1.633	1.680	1.734	1.702	1.781	1.724	1.635	1.629	1.584	1.738
Venezuela.....	1.721	1.690	1.633	1.680	1.734	1.702	1.781	1.724	1.635	1.629	1.584	1.738
Imports from OPEC-Far East												
Total.....	.054	.049	.069	.056	.050	.026	.125	.036	.078	.073	.049	.018
Indonesia.....	.054	.049	.069	.056	.050	.026	.125	.036	.078	.073	.049	.018

^{1/} OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

^{2/} The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •U.S. geographic coverage is the 50 States and District of Columbia. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.8 Japan--Net Oil Imports (Most Recent 12 Months)
(Million Barrels per Day)

	1996									1997		
	April	May	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar
Total Net Imports..	5.769	5.589	5.172	5.059	6.362	5.343	5.582	5.769	6.013	6.196	6.531	6.308
Imports from OPEC ¹ /	4.589	4.309	3.921	3.862	4.805	4.136	4.397	4.517	4.601	5.026	5.137	5.146
Imports from												
Persian Gulf ² /												
Total.....	4.089	3.930	3.528	3.421	4.310	3.740	3.980	4.237	4.201	4.616	4.750	4.611
Bahrain.....	.026	.046	.042	.015	.016	.023	.017	.043	.048	.037	.009	.009
Iran.....	.477	.394	.326	.191	.447	.542	.446	.642	.456	.465	.742	.669
Iraq.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.067	.000
Kuwait.....	.500	.467	.458	.505	.523	.462	.521	.493	.508	.642	.571	.570
U.A.E.....	1.498	1.235	1.288	1.283	1.529	1.281	1.409	1.530	1.419	1.706	1.449	1.407
Qatar.....	.342	.400	.314	.277	.415	.330	.345	.187	.274	.239	.402	.372
Saudi Arabia.....	1.245	1.389	1.100	1.150	1.381	1.103	1.242	1.342	1.496	1.527	1.510	1.585
Imports from												
OPEC-Africa												
Total.....	.047	.018	.031	.011	.023	.035	.060	.000	.000	.033	.000	.000
Algeria.....	.031	.006	.031	.011	.010	.018	.000	.000	.000	.000	.000	.000
Nigeria.....	.016	.012	.000	.000	.013	.017	.060	.000	.000	.033	.000	.000
Imports from												
OPEC-South America												
Total.....	.000	.010	.000	.000	.000	.010	.000	.000	.014	.019	.000	.011
Venezuela.....	.000	.010	.000	.000	.000	.010	.000	.000	.014	.019	.000	.011
Imports from												
OPEC-Far East												
Total.....	.479	.397	.404	.446	.488	.373	.374	.323	.434	.395	.397	.533
Indonesia.....	.479	.397	.404	.446	.488	.373	.374	.323	.434	.395	.397	.533

¹/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

²/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis.

•Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.9 OECD Europe--Net Oil Imports (Most Recent 12 Months)
(Million Barrels per Day)

	1996									1997		
	April	May	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar
Total Net Imports..	7.645	6.710	6.161	7.705	6.890	7.882	8.136	8.052	7.791	8.237	7.347	6.120
Imports from OPEC ^{1/}	6.240	5.812	5.609	5.959	5.877	6.197	5.866	6.535	6.237	6.372	6.453	5.341
Imports from Persian Gulf ^{2/}												
Total.....	3.365	2.844	3.024	3.024	3.053	3.337	2.932	3.507	3.156	3.190	3.435	2.768
Bahrain.....	.000	.000	.000	.000	.000	.008	.000	.006	.000	.003	.002	.000
Iran.....	1.106	.789	1.051	1.017	1.088	1.303	.960	1.012	.957	.753	.946	.677
Iraq.....	.000	.000	.000	.000	.000	.000	.000	.000	.065	.380	.295	.308
Kuwait.....	.299	.268	.234	.291	.205	.337	.216	.363	.228	.222	.548	.234
U.A.E.....	.000	.000	.000	.021	.000	.008	.000	.008	.004	.001	.000	.002
Qatar.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Saudi Arabia.....	1.961	1.788	1.739	1.694	1.759	1.681	1.756	2.118	1.901	1.830	1.644	1.546
Imports from OPEC-Africa												
Total.....	2.638	2.682	2.388	2.614	2.613	2.557	2.719	2.765	2.885	3.035	2.782	2.443
Algeria.....	.771	.752	.668	.726	.708	.788	.778	.680	.760	.794	.768	.604
Libya.....	1.186	1.178	1.062	1.226	1.323	1.108	1.242	1.178	1.240	1.368	1.224	1.288
Nigeria.....	.681	.751	.658	.662	.582	.660	.698	.907	.885	.872	.790	.551
Imports from OPEC-South America												
Total.....	.230	.269	.179	.212	.195	.249	.191	.243	.167	.133	.220	.131
Venezuela.....	.230	.269	.179	.212	.195	.249	.191	.243	.167	.133	.220	.131
Imports from OPEC-Far East												
Total.....	.007	.017	.018	.108	.017	.063	.025	.026	.029	.017	.019	.000
Indonesia.....	.007	.017	.018	.108	.017	.063	.025	.026	.029	.017	.019	.000

^{1/} OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

^{2/} The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •"OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom. •Negative numbers represent net exports.

•A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day.

•See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.10 France--Net Oil Imports (Most Recent 12 Months)
(Million Barrels per Day)

	1996									1997		
	April	May	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar
Total Net Imports..	1.998	1.557	1.489	1.910	1.533	1.652	1.781	1.861	1.805	1.920	1.892	1.587
Imports from OPEC ^{1/}	.958	.928	.753	1.142	.720	.904	.795	1.003	.888	.820	1.095	.809
Imports from Persian Gulf ^{2/}												
Total.....	.656	.545	.465	.705	.459	.533	.459	.642	.569	.535	.753	.404
Bahrain.....	.000	.000	.000	.000	.000	.008	.000	.000	.000	.000	.000	.000
Iran.....	.192	.145	.164	.246	.153	.124	.121	.186	.123	.061	.122	.107
Iraq.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.065	.159	.102
Kuwait.....	.062	.000	.000	.063	.000	.065	.000	.018	.000	.002	.070	.002
U.A.E.....	.000	.000	.000	.000	.000	.008	.000	.000	.001	.000	.000	.000
Qatar.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Saudi Arabia.....	.402	.401	.301	.395	.306	.327	.338	.437	.444	.407	.401	.194
Imports from OPEC-Africa												
Total.....	.303	.382	.288	.437	.261	.379	.335	.356	.319	.285	.342	.405
Algeria.....	.138	.112	.123	.089	.106	.128	.140	.110	.068	.177	.216	.187
Libya.....	.026	.032	.028	.075	.079	.057	.027	.069	.068	.014	.044	.063
Nigeria.....	.138	.238	.137	.273	.076	.194	.168	.177	.183	.094	.083	.154
Imports from OPEC-South America												
Total.....	.000	.000	.000	.000	.000	.000	.000	.006	.000	.000	.000	.000
Venezuela.....	.000	.000	.000	.000	.000	.000	.000	.006	.000	.000	.000	.000
Imports from OPEC-Far East												
Total.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Indonesia.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

^{1/} OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

^{2/} The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.11 Germany--Net Oil Imports (Most Recent 12 Months)
(Million Barrels per Day)

	1996									1997		
	April	May	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar
Total Net Imports..	2.629	2.663	2.709	2.873	2.881	2.934	2.806	2.874	2.812	2.939	2.667	2.624
Imports from OPEC ^{1/}	.684	.648	.623	.715	.622	.706	.615	.653	.647	.605	.618	.660
Imports from Persian Gulf ^{2/}												
Total.....	.125	.134	.187	.178	.153	.199	.193	.167	.106	.088	.094	.131
Bahrain.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Iran.....	.007	.004	.038	.033	.029	.034	.016	.018	.000	.012	.011	.028
Iraq.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Kuwait.....	.021	.012	.005	.016	.015	.021	.025	.028	.011	.009	.009	.010
U.A.E.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Qatar.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Saudi Arabia.....	.097	.117	.144	.129	.109	.144	.152	.122	.094	.068	.074	.094
Imports from OPEC-Africa												
Total.....	.468	.440	.394	.461	.420	.419	.397	.428	.512	.503	.505	.485
Algeria.....	.184	.162	.079	.115	.055	.089	.045	.084	.139	.108	.100	.108
Libya.....	.263	.185	.214	.319	.294	.266	.280	.231	.252	.276	.216	.256
Nigeria.....	.021	.092	.101	.027	.071	.064	.072	.112	.121	.118	.189	.121
Imports from OPEC-South America												
Total.....	.091	.073	.042	.076	.049	.087	.024	.058	.029	.014	.018	.043
Venezuela.....	.091	.073	.042	.076	.049	.087	.024	.058	.029	.014	.018	.043
Imports from OPEC-Far East												
Total.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Indonesia.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

^{1/} OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

^{2/} The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •The data for Germany are for the unified Germany, i.e., the former East Germany and West Germany. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.12 Italy--Net Oil Imports (Most Recent 12 Months)
(Million Barrels per Day)

	1996									1997		
	April	May	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar
Total Net Imports..	1.689	1.724	1.618	1.747	1.756	1.784	1.858	1.869	1.915	2.035	1.853	1.690
Imports from OPEC ¹ /	1.199	1.072	1.182	1.128	1.241	1.322	1.246	1.333	1.351	1.429	1.281	1.270
Imports from Persian Gulf ² /												
Total.....	.501	.307	.516	.447	.513	.569	.479	.540	.516	.550	.589	.507
Bahrain.....	.000	.000	.000	.000	.000	.000	.000	.006	.000	.003	.002	.000
Iran.....	.228	.115	.297	.281	.301	.364	.268	.209	.238	.241	.249	.250
Iraq.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.048	.000	.032
Kuwait.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
U.A.E.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.002
Qatar.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Saudi Arabia.....	.273	.192	.219	.165	.211	.205	.211	.324	.278	.258	.338	.223
Imports from OPEC-Africa												
Total.....	.681	.715	.648	.665	.687	.714	.751	.753	.814	.848	.672	.756
Algeria.....	.081	.116	.096	.123	.095	.153	.121	.094	.122	.110	.084	.073
Libya.....	.600	.561	.552	.541	.592	.515	.613	.587	.631	.632	.524	.617
Nigeria.....	.000	.039	.000	.000	.000	.047	.017	.071	.061	.105	.065	.066
Imports from OPEC-South America												
Total.....	.010	.034	.000	.000	.024	.000	.000	.029	.000	.017	.004	.007
Venezuela.....	.010	.034	.000	.000	.024	.000	.000	.029	.000	.017	.004	.007
Imports from OPEC-Far East												
Total.....	.007	.017	.018	.017	.017	.039	.016	.018	.021	.017	.018	.000
Indonesia.....	.007	.017	.018	.017	.017	.039	.016	.018	.021	.017	.018	.000

¹/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

²/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.13 OECD Imports from Iraq (Most Recent 12 Months)
(Million Barrels per Day for Crude Oil, Natural Gas Liquids and Refined Products)

	1996									1997		
	April	May	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar
Total.....	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.080	0.380	0.362	0.344
United States ^{2/}.....	.000	.000	.000	.000	.000	.000	.000	.000	.014	.000	.000	.035
Canada.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
OECD Europe ^{3/}.....	.000	.000	.000	.000	.000	.000	.000	.000	.065	.380	.295	.308
Main European Importers												
France.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.065	.159	.102
Germany ^{4/}.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Italy.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.048	.000	.032
Spain.....	.000	.000	.000	.000	.000	.000	.000	.000	.029	.094	.021	.097
Netherlands.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
European Net Exporters												
United Kingdom....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Smaller European Importers												
Austria.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Belgium.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.023	.032	.003
Denmark.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Greece.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.011	.000	.000
Portugal.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.011	.012	.011
Sweden.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Switzerland.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Turkey.....	.000	.000	.000	.000	.000	.000	.000	.000	.037	.128	.071	.064
Japan.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.067	.000
Other OECD.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001

^{1/} U.S. geographic coverage is the 50 States and District of Columbia.

^{2/} "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, the United Kingdom, and Germany.

^{3/} Through December 1990, the data for Germany are for the former West Germany only. Beginning with January 1991, the data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.14 OECD Imports from Kuwait (Most Recent 12 Months)
(Million Barrels per Day)

	1996									1997		
	April	May	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar
Total.....	1.002	0.974	1.083	1.086	1.013	1.049	1.008	1.085	1.009	1.083	1.302	1.130
United States ¹ /....	.201	.230	.388	.266	.271	.236	.260	.228	.262	.209	.172	.315
Canada.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
OECD Europe ² /.....	.299	.268	.234	.291	.205	.337	.216	.363	.228	.222	.548	.234
Main European Importers												
France.....	.062	.000	.000	.063	.000	.065	.000	.018	.000	.002	.070	.002
Germany ³ /.....	.021	.012	.005	.016	.015	.021	.025	.028	.011	.009	.009	.010
Italy.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Spain.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.003
Netherlands.....	.147	.209	.153	.212	.144	.205	.175	.231	.174	.168	.388	.158
European Net Exporters												
Norway.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
United Kingdom....	.030	.029	.059	.000	.029	.030	.000	.057	.028	.028	.059	.029
Smaller European Importers												
Austria.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Belgium.....	.025	.001	.000	.000	.000	.000	.000	.014	.000	.000	.005	.017
Denmark.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Greece.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Portugal.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Sweden.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Switzerland.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Turkey.....	.016	.016	.016	.000	.016	.016	.016	.016	.015	.015	.017	.016
Japan.....	.500	.467	.458	.505	.523	.462	.521	.493	.508	.642	.571	.570
Other OECD.....	.002	.010	.003	.023	.013	.014	.011	.002	.011	.010	.011	.011

1/ U.S. geographic coverage is the 50 States and District of Columbia.

2/ "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, the United Kingdom, and Germany.

3/ Through December 1990, the data for Germany are for the former West Germany only. Beginning with January 1991, the data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

Sources for Section 3 (International Oil Imports)

Oil Imports

United States: • Energy Information Administration (EIA), Petroleum Supply Annual 1996 and Petroleum Supply Monthly, June 1997.
Other OECD Countries: • Organization for Economic Cooperation and Development (OECD), Quarterly Oil Statistics and Energy Balances, various issues. • OECD, Monthly Oil Statistics data base, 1991-1997.

4. Historical Oil Data Series

1970-1996

Table 4.1a World Crude Oil Production (Including Lease Condensate), 1970-1996
(Thousand Barrels per Day)

	Algeria	Indo- nesia	Iran	Iraq	Kuwait ^{1/}	Libya	Nigeria	Qatar	Saudi Arabia ^{1/}	United Arab Emirates	Vene- zuela	Total OPEC
1970 Average.....	1,029	854	3,829	1,549	2,990	3,318	1,083	362	3,799	780	3,708	23,301
1971 Average.....	785	892	4,540	1,694	3,197	2,761	1,531	431	4,769	1,060	3,549	25,209
1972 Average.....	1,062	1,081	5,023	1,466	3,283	2,239	1,816	482	6,016	1,203	3,220	26,891
1973 Average.....	1,097	1,339	5,861	2,018	3,020	2,175	2,054	570	7,596	1,533	3,366	30,629
1974 Average.....	1,009	1,375	6,022	1,971	2,546	1,521	2,255	518	8,480	1,679	2,976	30,351
1975 Average.....	983	1,307	5,350	2,262	2,084	1,480	1,783	438	7,075	1,664	2,346	26,771
1976 Average.....	1,075	1,504	5,883	2,415	2,145	1,933	2,067	497	8,577	1,936	2,294	30,327
1977 Average.....	1,152	1,686	5,663	2,348	1,969	2,063	2,085	445	9,245	1,999	2,238	30,893
1978 Average.....	1,231	1,635	5,242	2,563	2,131	1,983	1,897	487	8,301	1,831	2,165	29,464
1979 Average.....	1,224	1,591	3,168	3,477	2,500	2,092	2,302	508	9,532	1,831	2,356	30,581
1980 Average.....	1,106	1,577	1,662	2,514	1,656	1,787	2,055	472	9,900	1,709	2,168	26,606
1981 Average.....	1,002	1,605	1,380	1,000	1,125	1,140	1,433	405	9,815	1,474	2,102	22,481
1982 Average.....	987	1,339	2,214	1,012	823	1,150	1,295	330	6,483	1,250	1,895	18,778
1983 Average.....	968	1,343	2,440	1,005	1,064	1,105	1,241	295	5,086	1,149	1,801	17,497
1984 Average.....	1,014	1,412	2,174	1,209	1,157	1,087	1,388	394	4,663	1,146	1,798	17,442
1985 Average.....	1,037	1,325	2,250	1,433	1,023	1,059	1,495	301	3,388	1,193	1,677	16,181
1986 Average.....	945	1,390	2,035	1,690	1,419	1,034	1,467	308	4,870	1,330	1,787	18,275
1987 Average.....	1,048	1,343	2,298	2,079	1,585	972	1,341	293	4,265	1,541	1,752	18,517
1988 Average.....	1,040	1,342	2,240	2,685	1,492	1,175	1,450	346	5,086	1,565	1,903	20,324
1989 Average.....	1,095	1,409	2,810	2,897	1,783	1,150	1,716	380	5,064	1,860	1,907	22,071
1990 Average.....	1,175	1,462	3,088	2,040	1,175	1,375	1,810	406	6,410	2,117	2,137	23,195
1991 Average.....	1,230	1,592	3,312	305	190	1,483	1,892	395	8,115	2,386	2,375	23,275
1992 Average.....	1,214	1,504	3,429	425	1,058	1,433	1,943	423	8,332	2,266	2,371	24,398
1993 Average.....	1,162	1,511	3,540	512	1,852	1,361	1,960	413	8,198	2,159	2,450	25,119
1994 Average.....	1,180	1,510	3,618	553	2,025	1,378	1,931	415	8,120	2,193	2,588	25,510
1995 Average.....	1,202	1,503	3,643	560	2,057	1,390	1,993	483	8,231	2,279	2,750	26,092
1996 Average P.....	1,242	1,547	3,686	584	2,062	1,401	2,188	510	8,218	2,278	3,053	26,769

^{1/} Includes about one-half of the production in the Kuwait-Saudi Arabia Neutral Zone from 1970 through 1989 and beginning in June 1991. Kuwaiti Neutral Zone output was discontinued following Iraq's invasion of Kuwait on August 2, 1990, but was resumed in June 1991. From August 1990 through May 1991, all production in the Neutral Zone was included in the data for Saudi Arabia.

P=Preliminary.

Notes: •OPEC=Organization of Petroleum Exporting Countries.

Sources: See end of Section 4.

Table 4.1b World Crude Oil Production (Including Lease Condensate), 1970-1996
(Thousand Barrels per Day)

	Norway	United Kingdom	North Sea ^{1/}	Angola	Argentina	Australia	Brazil	Canada	China	Colombia	Ecuador
1970 Average.....	0	2	0	112	393	178	167	1,263	600	219	4
1971 Average.....	6	2	6	93	423	309	174	1,348	780	214	4
1972 Average.....	33	2	35	140	433	327	167	1,532	900	196	78
1973 Average.....	32	2	36	162	420	369	169	1,798	1,090	184	209
1974 Average.....	35	2	38	169	414	388	176	1,551	1,315	168	177
1975 Average.....	189	12	202	165	395	409	177	1,430	1,490	157	161
1976 Average.....	279	245	525	108	398	426	167	1,314	1,670	146	188
1977 Average.....	280	768	1,055	194	431	431	161	1,321	1,874	138	183
1978 Average.....	356	1,082	1,446	131	453	432	160	1,316	2,082	131	202
1979 Average.....	403	1,568	1,976	147	473	441	166	1,500	2,122	124	214
1980 Average.....	528	1,622	2,151	150	491	380	182	1,435	2,114	126	204
1981 Average.....	501	1,811	2,322	130	496	394	213	1,285	2,012	125	211
1982 Average.....	520	2,065	2,617	122	491	370	260	1,271	2,045	141	211
1983 Average.....	614	2,291	2,965	177	491	416	339	1,356	2,120	152	237
1984 Average.....	697	2,480	3,250	208	478	492	475	1,438	2,296	168	258
1985 Average.....	788	2,530	3,417	231	460	575	564	1,471	2,505	176	281
1986 Average.....	870	2,539	3,547	282	434	520	572	1,474	2,620	305	293
1987 Average.....	1,022	2,406	3,584	360	428	547	566	1,535	2,690	385	174
1988 Average.....	1,158	2,232	3,540	452	449	538	554	1,616	2,730	378	302
1989 Average.....	1,554	1,802	3,515	455	460	490	596	1,560	2,757	403	279
1990 Average.....	1,704	1,820	3,667	475	483	575	631	1,553	2,774	440	285
1991 Average.....	1,890	1,797	3,811	500	485	545	630	1,548	2,835	419	299
1992 Average.....	2,229	1,825	4,182	526	553	535	626	1,605	2,845	433	321
1993 Average.....	2,350	1,915	4,403	509	594	503	643	1,679	2,890	456	344
1994 Average.....	2,521	2,375	5,058	536	650	536	671	1,746	2,939	450	365
1995 Average.....	2,768	2,489	5,400	646	715	562	695	1,805	2,990	585	392
1996 Average P.....	3,104	2,568	5,822	717	756	570	795	1,823	3,131	623	387

^{1/} North Sea includes the United Kingdom Offshore, Norway, Denmark, Netherlands Offshore, and Germany Offshore.
P=Preliminary.

Sources: See end of Section 4.

Table 4.1c World Crude Oil Production (Including Lease Condensate), 1970-1996
(Thousand Barrels per Day)

	Egypt	Gabon	India	Malaysia	Mexico	Oman	Russia	Former U.S.S.R.	Syria	United States	Other ^{1/}	World
1970 Average.....	326	109	144	18	487	332	--	6,985	80	9,637	1,529	45,886
1971 Average.....	293	115	143	69	486	294	--	7,475	100	9,463	1,518	48,518
1972 Average.....	231	125	156	93	505	282	--	7,890	124	9,441	1,592	51,138
1973 Average.....	165	150	147	91	465	293	--	8,324	105	9,208	1,667	55,679
1974 Average.....	150	202	156	81	571	290	--	8,912	124	8,774	1,711	55,716
1975 Average.....	235	223	165	98	705	343	--	9,523	170	8,375	1,636	52,828
1976 Average.....	330	223	175	165	831	366	--	10,060	175	8,132	1,620	57,344
1977 Average.....	415	222	199	184	981	341	--	10,603	188	8,245	1,655	59,707
1978 Average.....	485	209	226	217	1,209	315	--	11,105	170	8,707	1,706	60,158
1979 Average.....	525	203	245	283	1,461	295	--	11,384	166	8,552	1,821	62,674
1980 Average.....	595	175	182	283	1,936	282	--	11,706	164	8,597	1,842	59,600
1981 Average.....	598	151	325	264	2,313	319	--	11,850	166	8,572	1,859	56,076
1982 Average.....	670	156	390	306	2,748	324	--	11,912	160	8,649	1,892	53,481
1983 Average.....	727	157	480	365	2,689	375	--	11,972	167	8,688	1,946	53,256
1984 Average.....	822	157	519	440	2,780	414	--	11,861	170	8,879	2,015	54,489
1985 Average.....	887	172	620	440	2,745	498	--	11,585	178	8,971	2,124	53,982
1986 Average.....	813	166	630	504	2,435	560	--	11,895	194	8,680	2,166	56,227
1987 Average.....	896	155	609	497	2,548	582	--	12,050	230	8,349	2,120	56,666
1988 Average.....	848	159	635	540	2,512	617	--	12,053	265	8,140	2,235	58,737
1989 Average.....	865	208	700	585	2,520	641	--	11,715	340	7,613	2,249	59,863
1990 Average.....	873	270	660	619	2,553	685	--	10,975	388	7,355	2,253	60,566
1991 Average.....	874	294	615	646	2,680	700	--	9,992	492	7,417	2,274	60,207
1992 Average.....	881	298	561	653	2,669	740	7,632	--	481	7,171	3,233	60,216
1993 Average.....	890	313	534	640	2,673	776	6,730	--	554	6,847	3,290	60,247
1994 Average.....	896	329	590	645	2,685	810	6,135	--	560	6,662	3,393	61,003
1995 Average.....	920	345	703	682	2,618	851	5,995	--	610	6,560	3,423	62,446
1996 Average P....	922	368	651	695	2,855	883	5,774	--	604	R6,465	R3,530	R63,982

^{1/} Other is a calculated total derived from the difference between "World" and the sum of production in "Total OPEC" (Table 1.1a) and all other countries listed (Tables 1.1b and 1.1c). The total "North Sea" is not subtracted from the world total, though Norway and the United Kingdom have been subtracted.

-- = Not applicable. P=Preliminary. R=Revised data.

Sources: See end of Section 4.

Table 4.2 OPEC Crude Oil Production (Excluding Condensate), 1980-1996
(Thousand Barrels per Day)

	Algeria	Indo- nesia	Iran	Iraq	Kuwait ^{1/}	Libya	Nigeria	Qatar	Saudi Arabia ^{1/}	United Arab Emirates	Vene- zuela	Total OPEC
1980 Average...	1,006	1,497	1,662	2,514	1,656	1,787	2,045	472	9,900	1,704	2,147	26,390
1981 Average...	802	1,513	1,380	1,000	1,125	1,140	1,423	405	9,815	1,469	2,083	22,155
1982 Average...	712	1,247	2,214	1,012	823	1,150	1,285	330	6,483	1,215	1,878	18,349
1983 Average...	648	1,245	2,440	1,005	1,064	1,105	1,231	295	5,086	1,109	1,768	16,996
1984 Average...	694	1,279	2,174	1,209	1,157	1,087	1,368	394	4,663	1,091	1,689	16,805
1985 Average...	702	1,181	2,250	1,433	1,023	1,059	1,475	301	3,388	1,133	1,558	15,503
1986 Average...	600	1,257	2,035	1,690	1,419	1,034	1,447	308	4,870	1,270	1,645	17,575
1987 Average...	648	1,189	2,298	2,079	1,585	972	1,291	293	4,265	1,441	1,587	17,648
1988 Average...	640	1,177	2,240	2,685	1,492	1,175	1,400	346	5,086	1,465	1,715	19,421
1989 Average...	690	1,231	2,810	2,897	1,783	1,150	1,666	380	5,064	1,783	1,747	21,201
1990 Average...	765	1,281	3,088	2,040	1,175	1,375	1,755	406	6,410	2,066	2,097	22,458
1991 Average...	800	1,410	3,312	305	190	1,483	1,832	395	8,115	2,326	2,338	22,506
1992 Average...	772	1,326	3,429	425	1,058	1,433	1,820	423	8,332	2,206	2,334	23,558
1993 Average...	747	1,327	3,540	512	1,852	1,361	1,835	413	8,198	2,109	2,410	24,304
1994 Average...	750	1,334	3,600	548	2,034	1,378	1,887	409	8,147	2,183	2,542	24,812
1995 Average ..	767	1,343	3,608	550	2,057	1,390	1,876	449	8,231	2,197	2,710	25,179
1996 Average P.	812	1,367	3,651	579	2,062	1,401	2,051	475	8,218	2,198	3,013	25,826

^{1/} Includes about one-half of the production in the Kuwait-Saudi Arabia Neutral Zone from 1980 through July 1990 and beginning in June 1991. Kuwaiti Neutral Zone output was discontinued following Iraq's invasion of Kuwait on August 2, 1990, but was resumed in June 1991. From August 1990 through May 1991, all production in the Neutral Zone was included in the data for Saudi Arabia.

P=Preliminary.

Note: OPEC=Organization of Petroleum Exporting Countries. See Appendix A for Countries in this group.

Sources: See end of Section 4.

Table 4.3 World Natural Gas Plant Liquids Production, 1970-1996
(Thousand Barrels per Day)

	Algeria	Canada	Mexico	Saudi Arabia	Russia	Former USSR	United States ^{1/}	Persian Gulf ^{2/}	OAPEC ^{3/}	OPEC ^{3/}	World
1970 Average.....	3	200	58	50	--	120	1,660	119	137	205	2,383
1971 Average.....	4	234	59	50	--	135	1,693	138	147	243	2,508
1972 Average.....	4	293	61	55	--	155	1,744	155	159	275	2,676
1973 Average.....	9	314	75	90	--	170	1,738	191	196	324	2,785
1974 Average.....	12	314	80	130	--	190	1,688	231	219	347	2,789
1975 Average.....	20	309	80	140	--	205	1,633	246	252	372	2,790
1976 Average.....	24	289	95	185	--	220	1,603	291	313	442	2,865
1977 Average.....	19	290	105	215	--	235	1,618	335	366	482	2,982
1978 Average.....	25	281	115	250	--	255	1,567	410	447	566	3,078
1979 Average.....	30	331	150	303	--	270	1,584	458	535	637	3,285
1980 Average.....	36	331	193	369	--	285	1,573	534	618	732	3,444
1981 Average.....	49	330	241	433	--	300	1,609	599	691	825	3,625
1982 Average.....	58	318	255	430	--	315	1,550	612	721	842	3,626
1983 Average.....	56	309	265	330	--	330	1,559	552	655	780	3,635
1984 Average.....	105	336	257	355	--	340	1,630	604	761	869	3,869
1985 Average.....	120	337	271	375	--	350	1,609	645	808	892	3,938
1986 Average.....	120	328	352	385	--	440	1,551	700	860	969	4,150
1987 Average.....	140	367	338	418	--	430	1,595	721	900	1,006	4,279
1988 Average.....	120	381	370	499	--	450	1,625	808	979	1,077	4,481
1989 Average.....	130	410	384	503	--	425	1,546	851	1,041	1,188	4,502
1990 Average.....	130	426	428	620	--	425	1,559	930	1,107	1,281	4,632
1991 Average.....	140	431	457	680	--	420	1,659	931	1,113	1,299	4,827
1992 Average.....	140	460	454	713	230	--	1,697	1,003	1,185	1,364	4,973
1993 Average.....	145	506	459	704	220	--	1,736	1,040	1,238	1,435	5,169
1994 Average.....	140	529	461	698	200	--	1,727	1,071	1,267	1,465	5,282
1995 Average	145	581	447	701	180	--	1,762	1,106	1,301	1,506	5,474
1996 Average P....	145	599	423	697	248	--	R1,830	1,082	1,274	1,452	R5,615

^{1/} U.S. geographic coverage is the 50 States and the District of Columbia.

^{2/} See Appendix A for countries in this group.

^{3/} OAPEC=Organization of Arab Petroleum Exporting Countries. OPEC=Organization of Petroleum Exporting Countries.
See Appendix A for countries in these groups.

P=Preliminary. R=Revised data.

Sources: See end of Section 4.

Table 4.4 World Oil Supply, 1970-1996
(Thousand Barrels per Day)

	United States ^{1/}	Persian Gulf ^{2/}	OAPEC ^{3/}	OPEC ^{3/}	World
1970 Average.....	11,673	13,541	14,571	23,567	48,986
1971 Average.....	11,554	15,940	15,427	25,514	51,766
1972 Average.....	11,601	17,734	16,451	27,228	54,574
1973 Average.....	11,428	20,895	18,656	31,015	59,300
1974 Average.....	10,978	21,550	18,399	30,762	59,391
1975 Average.....	10,505	19,223	16,831	27,218	56,511
1976 Average.....	10,251	21,847	19,563	30,841	61,121
1977 Average.....	10,437	22,098	20,372	31,443	63,665
1978 Average.....	10,820	21,067	19,819	30,120	64,225
1979 Average.....	10,707	21,569	22,575	31,300	66,973
1980 Average.....	10,809	18,541	20,715	27,419	64,153
1981 Average.....	10,739	15,894	17,619	23,393	60,763
1982 Average.....	10,783	12,815	13,786	19,702	58,226
1983 Average.....	10,788	11,676	12,416	18,352	58,056
1984 Average.....	11,107	11,433	12,619	18,389	59,645
1985 Average.....	11,192	10,320	11,498	17,151	59,264
1986 Average.....	10,905	12,441	13,653	19,310	61,771
1987 Average.....	10,648	12,869	13,992	19,589	62,429
1988 Average.....	10,473	14,310	15,662	21,465	64,707
1989 Average.....	9,880	15,733	16,658	23,323	65,894
1990 Average.....	9,677	16,249	17,232	24,536	66,756
1991 Average.....	9,883	15,704	16,747	24,625	66,634
1992 Average.....	9,768	17,010	17,871	25,818	66,937
1993 Average.....	9,602	17,792	18,505	26,610	67,345
1994 Average.....	9,413	18,072	18,745	27,031	68,218
1995 Average.....	9,400	18,439	19,192	27,654	69,916
1996 Average P.....	R9,445	18,491	19,243	28,277	R71,738

^{1/} U.S. geographic coverage is the 50 States and the District of Columbia.

^{2/} See Appendix A for countries in this group.

^{3/} OAPEC=Organization of Arab Petroleum Exporting Countries. OPEC=Organization of Petroleum Exporting Countries.
See Appendix A for countries in these groups.

P=Preliminary. R=Revised data.

Note: Oil Supply includes crude oil, natural gas plant liquids, other liquids, and refinery gain. See Explanatory Note 1 in Appendix B.

Sources: See end of Section 4.

Table 4.5 Oil Stocks in OECD Countries, End of Year
(Million Barrels)

		France	Italy	Germany ^{1/}	United Kingdom	OECD Europe ^{2/}	United States ^{3/}	Canada	Japan	Other ^{4/}	Total OECD
1973	December.....	201	152	181	156	1,070	1,008	140	303	67	2,588
1974	December.....	249	167	213	191	1,227	1,074	145	370	64	2,880
1975	December.....	225	143	187	165	1,154	1,133	174	375	67	2,903
1976	December.....	234	143	208	165	1,205	1,112	153	380	68	2,918
1977	December.....	239	161	225	148	1,268	1,312	167	409	68	3,224
1978	December.....	201	154	238	157	1,219	1,278	144	413	68	3,122
1979	December.....	226	163	272	169	1,353	1,341	150	460	75	3,379
1980	December.....	243	170	319	168	1,464	1,392	164	495	72	3,587
1981	December.....	214	167	297	143	1,337	1,484	161	482	67	3,531
1982	December.....	193	179	272	125	1,258	1,430	136	484	68	3,376
1983	December.....	153	149	249	118	1,142	1,454	121	470	68	3,255
1984	December.....	152	159	239	112	1,130	1,556	128	479	69	3,362
1985	December.....	139	157	233	123	1,092	1,519	113	494	66	3,284
1986	December.....	127	155	252	124	1,133	1,593	111	509	72	3,418
1987	December.....	127	169	259	121	1,130	1,607	126	540	71	3,474
1988	December.....	140	155	266	112	1,118	1,597	116	538	71	3,440
1989	December.....	138	164	271	118	1,133	1,581	114	577	71	3,476
1990	December.....	140	172	265	112	1,163	1,621	121	590	73	3,568
1991	December.....	153	160	288	119	1,181	1,617	119	606	65	3,588
1992	December.....	146	174	310	113	1,219	1,592	107	603	67	3,588
1993	December.....	158	163	309	118	1,221	1,647	105	618	69	3,661
1994	December	158	164	312	115	1,240	1,653	119	645	69	3,726
1995	December	159	162	301	107	1,228	1,563	109	630	71	3,601
1996	December P....	158	R152	300	108	R1,255	R1,507	R102	651	R74	R3,590

1/ Data through December 1990 are for the former West Germany. Beginning with January 1991, the data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

2/ "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

3/ U.S. geographic coverage is the 50 States and the District of Columbia. In the United States in January 1975, 1981, and 1983, numerous respondents were added to bulk terminal and pipeline surveys affecting subsequent stocks reported. Using the new basis, the end-of-year U.S. stocks, in million barrels, would have been 1,121 in 1974, 1,425 in 1980, and 1,461 in 1982.

4/ "Other" consists of Australia, New Zealand, and the U.S. Territories.

P=Preliminary. R=Revised data.

Note: Oil Stocks - See Explanatory Note 2 in Appendix B.

Sources: See end of Section 4.

Table 4.6 World Oil Demand, 1970-1996
(Thousand Barrels per Day)

	France	Italy	Germany ^{1/}	United Kingdom	OECD Europe ^{2/}	United States ^{3/}	Canada	Japan	Other ^{4/}	OECD Excluding East Germany	East Germany	OECD Including East Germany	World Total
1970 Average...	1,937	1,710	2,607	2,096	12,404	14,697	1,516	3,817	836	33,270	223	33,493	46,808
1971 Average...	2,115	1,838	2,702	2,141	13,005	15,213	1,565	4,142	831	34,755	238	34,993	49,416
1972 Average...	2,322	1,947	2,859	2,284	13,934	16,367	1,664	4,363	948	37,275	270	37,545	53,094
1973 Average...	2,601	2,068	3,055	2,341	14,925	17,308	1,729	4,949	988	39,900	282	40,182	57,237
1974 Average...	2,447	2,004	2,748	2,210	13,988	16,653	1,779	4,864	1,095	38,379	307	38,686	56,677
1975 Average...	2,252	1,855	2,650	1,911	13,217	16,322	1,779	4,621	1,041	36,980	307	37,287	56,198
1976 Average...	2,420	1,971	2,877	1,892	14,124	17,461	1,818	4,837	1,119	39,358	329	39,687	59,673
1977 Average...	2,294	1,897	2,865	1,905	13,916	18,431	1,850	4,880	1,160	40,237	347	40,584	61,826
1978 Average...	2,408	1,952	2,927	1,938	14,290	18,847	1,902	4,945	1,204	41,187	363	41,550	64,158
1979 Average...	2,463	2,039	3,003	1,971	14,667	18,513	1,971	5,050	1,178	41,379	369	41,748	65,220
1980 Average...	2,256	1,934	2,707	1,725	13,634	17,056	1,873	4,960	1,072	38,595	375	38,970	63,067
1981 Average...	2,023	1,874	2,449	1,590	12,515	16,058	1,768	4,848	1,080	36,269	355	36,624	60,903
1982 Average...	1,880	1,781	2,372	1,590	12,053	15,296	1,578	4,582	1,008	34,517	371	34,888	59,503
1983 Average...	1,835	1,750	2,324	1,531	11,765	15,231	1,448	4,395	954	33,793	336	34,129	58,744
1984 Average...	1,754	1,646	2,322	1,849	11,736	15,726	1,472	4,576	989	34,500	340	34,840	59,836
1985 Average...	1,775	1,717	2,338	1,634	11,681	15,726	1,504	4,384	976	34,271	362	34,633	60,091
1986 Average...	1,772	1,738	2,498	1,649	12,102	16,281	1,506	4,439	951	35,279	362	35,641	61,759
1987 Average...	1,789	1,855	2,424	1,603	12,255	16,665	1,548	4,484	959	35,911	342	36,253	62,999
1988 Average...	1,797	1,836	2,422	1,697	12,427	17,283	1,693	4,752	939	37,093	322	37,415	64,819
1989 Average...	1,857	1,930	2,280	1,738	12,531	17,325	1,733	4,983	998	37,570	301	37,871	65,917
1990 Average...	1,818	1,872	2,382	1,752	12,629	16,988	1,690	5,140	1,027	37,475	283	37,758	65,985
1991 Average...	1,935	1,863	2,828	1,801	13,391	16,714	1,622	5,284	1,056	--	--	38,067	66,577
1992 Average...	1,926	1,937	2,843	1,803	13,605	17,033	1,643	5,446	1,041	--	--	38,768	66,742
1993 Average...	1,875	1,852	2,900	1,815	13,523	17,237	1,688	5,401	1,118	--	--	38,967	67,043
1994 Average...	1,833	1,841	2,879	1,837	13,597	17,718	1,727	5,674	1,174	--	--	39,890	68,313
1995 Average...	1,896	2,048	2,875	1,845	14,120	17,725	1,755	5,711	1,227	--	--	40,537	70,193
1996 Average	P.R1,934	R2,058	R2,911	R1,845	R14,262	R18,309	R1,779	R5,754	R1,123	--	--	R41,226	R71,754

^{1/} Data through 1990 are for the former West Germany. Beginning with January 1991, the data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

^{2/} "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

^{3/} U.S. geographic coverage is the 50 States and the District of Columbia.

^{4/} "Other" consists of Australia, New Zealand, and the U.S. Territories.

P=Preliminary. R=Revised data. --=Not Applicable.

Note: The term Demand is used interchangeably with Consumption and Petroleum Products Supplied. See Appendix C for definition.

Sources: See end of Section 4.

Table 4.7 OECD Total Net Imports, 1986-1996
(Million Barrels per Day)

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
	Average										
Total.....	17.670	18.008	18.706	20.082	20.456	20.414	20.783	21.226	21.133	20.717	21.377
United States ¹ /....	5.439	5.914	6.587	7.202	7.161	6.626	6.938	7.618	7.986	7.883	8.419
Canada.....	-.391	-.358	-.585	-.462	-.425	-.479	-.546	-.586	-.623	-.756	-.801
OECD Europe ² /.....	7.893	7.742	7.774	7.994	8.210	8.588	8.459	8.127	7.355	7.226	7.338
Main European Importers											
France.....	1.682	1.742	1.718	1.711	1.750	1.869	1.784	1.761	1.615	1.721	1.736
Germany ³ /.....	2.380	2.281	2.279	2.112	2.202	2.664	2.739	2.723	2.731	2.699	2.792
Italy.....	1.642	1.718	1.590	1.716	1.788	1.769	1.839	1.747	1.778	1.820	1.791
Netherlands.....	.632	.562	.646	.635	.677	.690	.713	.688	.720	.700	.764
Spain.....	.747	.803	.869	.952	.950	.951	.998	1.066	1.119	1.202	1.181
European Net Exporters											
Norway.....	-.718	-.866	-1.036	-1.420	-1.543	-1.825	-2.102	-2.254	-2.586	-2.794	-3.149
United Kingdom....	-1.067	-1.015	-.760	-.200	-.214	-.158	-.221	-.355	-.850	-.969	-.839
Smaller European Importers											
Austria.....	.188	.194	.185	.191	.201	.212	.209	.205	.210	.194	.213
Belgium.....	.456	.443	.451	.454	.442	.506	.517	.503	.517	.495	.572
Denmark.....	.150	.122	.107	.078	.063	.048	.032	.023	.027	.039	.028
Ireland.....	.098	.081	.076	.079	.095	.094	.097	.102	.109	.116	.124
Finland.....	.229	.242	.200	.220	.208	.211	.188	.182	.234	.145	.181
Greece.....	.245	.230	.242	.252	.273	.297	.326	.327	.292	.343	.350
Iceland.....	.011	.013	.012	.011	.011	.012	.011	.014	.015	.015	.016
Luxembourg.....	.024	.028	.028	.031	.034	.039	.040	.039	.040	.036	.039
Portugal.....	.183	.199	.198	.246	.250	.258	.279	.272	.270	.291	.274
Sweden.....	.379	.309	.313	.290	.324	.312	.320	.335	.362	.356	.405
Switzerland.....	.290	.254	.258	.254	.273	.273	.277	.250	.262	.248	.260
Turkey.....	.342	.402	.397	.384	.425	.366	.413	.500	.490	.569	.600
Japan.....	4.392	4.418	4.680	5.035	5.239	5.286	5.464	5.467	5.766	5.716	5.790
Other OECD.....	.338	.291	.250	.313	.270	.392	.467	.599	.648	.647	.631

1/ U.S. geographic coverage is the 50 States and District of Columbia.

2/ "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

3/ Data through 1990 are for the former West Germany.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •Negative numbers represent net exports.

•A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day.

•Data for 1995 are preliminary.

Sources: See end of Section 4.

Table 4.8 OECD Imports from OPEC, 1986-1996
(Million Barrels per Day)

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
	Average										
Total.....	12.280	12.327	13.049	14.521	15.576	15.360	15.567	16.018	15.765	15.469	15.607
United States ¹ /.....	2.724	2.988	3.439	3.986	4.172	3.918	3.888	4.103	4.036	3.979	4.194
Canada.....	.158	.154	.161	.205	.199	.210	.210	.268	.285	.257	.261
OECD Europe ² /.....	6.073	5.597	5.842	6.188	6.633	6.728	6.758	6.794	6.385	6.154	6.053
Main European Importers											
France.....	.882	.684	.737	.875	1.101	1.021	.932	1.006	.956	.911	.897
Germany ³ /.....	.830	.675	.761	.739	.771	.859	.957	.948	.838	.711	.660
Italy.....	1.361	1.307	1.191	1.260	1.375	1.393	1.343	1.222	1.117	1.203	1.244
Netherlands.....	.768	.767	.850	.892	.850	.900	.914	.982	.906	.791	.779
Spain.....	.584	.543	.604	.686	.652	.700	.632	.582	.668	.781	.775
European Net Exporters											
Norway.....	.008	.002	.002	.003	.007	.014	.004	.005	.003	.003	.001
United Kingdom....	.324	.277	.322	.342	.406	.377	.390	.439	.306	.254	.234
Smaller European Importers											
Austria.....	.090	.087	.082	.086	.097	.108	.115	.128	.119	.057	.023
Belgium.....	.288	.257	.302	.353	.313	.362	.359	.359	.284	.276	.284
Denmark.....	.025	.053	.067	.069	.044	.006	.001	.006	.008	.022	.027
Ireland.....	.001	.001	-	-	.000	.000	.000	.000	.000	.000	.000
Finland.....	.021	.023	.011	.013	.013	.029	.033	.007	.004	.004	.001
Greece.....	.273	.279	.233	.244	.340	.298	.346	.303	.266	.263	.280
Portugal.....	.120	.101	.118	.156	.166	.139	.152	.166	.227	.209	.177
Sweden.....	.086	.062	.074	.064	.073	.105	.116	.123	.126	.109	.091
Switzerland.....	.068	.069	.051	.021	.036	.052	.051	.063	.082	.083	.098
Turkey.....	.344	.411	.439	.384	.388	.365	.412	.452	.475	.477	.483
Japan.....	3.036	3.198	3.309	3.788	4.062	4.026	4.198	4.245	4.495	4.467	4.470
Other OECD.....	.288	.389	.298	.355	.510	.478	.512	.609	.563	.612	.630

¹/ U.S. geographic coverage is the 50 States and District of Columbia.

²/ "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

³/ Data through 1990 are for the former West Germany.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development; OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in these groups. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 1995 are preliminary.

Sources: See end of Section 4.

Table 4.9 OECD Imports from Persian Gulf, 1986-1996
(Million Barrels per Day)

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
	Average										
Imports from											
Persian Gulf											
Total.....	7.228	7.392	7.941	9.121	9.667	9.249	9.456	10.029	9.609	9.310	9.215
United States ^{1/}...	.909	1.072	1.526	1.857	1.961	1.835	1.774	1.775	1.722	1.563	1.594
Canada.....	.054	.054	.056	.069	.081	.084	.092	.105	.119	.070	.111
OECD Europe ^{2/}	3.513	3.330	3.428	3.754	3.908	3.660	3.666	4.048	3.506	3.365	3.171
Main European Importers											
France.....	.586	.459	.484	.647	.864	.708	.640	.757	.651	.647	.573
Germany ^{3/}.....	.232	.187	.197	.216	.217	.227	.215	.250	.217	.172	.145
Italy.....	.817	.782	.643	.619	.626	.595	.573	.548	.430	.494	.502
Netherlands.....	.509	.516	.587	.663	.647	.609	.650	.744	.662	.563	.566
Spain.....	.328	.295	.306	.352	.291	.281	.231	.287	.275	.324	.304
European Net Exporters											
Norway.....	.006	.002	-	-	.000	.011	.000	.000	.000	.000	.000
United Kingdom...	.173	.164	.212	.240	.250	.222	.220	.303	.174	.135	.102
Smaller European Importers											
Austria.....	.011	.026	.025	.022	.016	.021	.031	.036	.038	.035	.004
Belgium.....	.182	.162	.224	.277	.250	.279	.292	.291	.232	.252	.263
Denmark.....	.024	.047	.063	.067	.043	.004	.000	.002	.000	.000	.000
Finland.....	.021	.022	.011	.012	.011	.021	.023	.002	.002	.002	.000
Greece.....	.204	.211	.146	.181	.268	.219	.291	.253	.214	.223	.235
Portugal.....	.088	.069	.066	.085	.073	.067	.074	.050	.117	.107	.083
Sweden.....	.036	.029	.045	.043	.039	.064	.068	.088	.076	.068	.067
Switzerland.....	.008	.008	.007	.007	.007	.007	.007	.008	.012	.007	.006
Turkey.....	.289	.348	.411	.323	.307	.324	.349	.429	.405	.336	.320
Japan.....	2.557	2.637	2.691	3.173	3.394	3.370	3.586	3.721	3.946	3.979	4.025
Other OECD.....	.195	.299	.241	.267	.322	.300	.338	.381	.316	.334	.313

1/ U.S. geographic coverage is the 50 States and District of Columbia.

2/ "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

3/ Data through 1990 are for the former West Germany.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •"Persian Gulf" consists of Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and the United Arab Emirates. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day.

•Data for 1995 are preliminary.

Sources: See end of Section 4.

Table 4.10 United States--Net Oil Imports, 1986-1996
(Million Barrels per Day)

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
	Average										
Total Net Imports..	5.439	5.914	6.587	7.202	7.161	6.626	6.938	7.618	7.986	7.883	8.419
Imports from OPEC ^{1/}	2.724	2.988	3.439	3.986	4.172	3.918	3.888	4.103	4.036	3.979	4.194
Imports from Persian Gulf ^{2/}											
Total.....	.909	1.072	1.526	1.857	1.961	1.835	1.774	1.775	1.722	1.563	1.594
Bahrain.....	.001	-.001	.000	-.001	-.001	-.001	-.002	-.002	-.002	-.003	-.002
Iran.....	.019	.098	.000	.000	.000	.032	.000	.000	.000	.000	.000
Iraq.....	.081	.083	.343	.449	.518	.000	.000	.000	.000	.000	.001
Kuwait.....	.068	.082	.092	.157	.086	.006	.051	.353	.312	.218	.236
U.A.E.....	.043	.059	.028	.027	.016	.001	.004	.009	.011	.004	-.003
Qatar.....	.013	.000	.000	.002	.004	.000	.001	.001	.000	.000	.000
Saudi Arabia.....	.685	.751	1.063	1.224	1.339	1.797	1.720	1.414	1.402	1.344	1.363
Imports from OPEC-Africa											
Total.....	.711	.830	.918	1.084	1.080	.956	.876	.956	.880	.859	.872
Algeria.....	.271	.295	.300	.269	.280	.253	.196	.220	.243	.234	.256
Libya.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Nigeria.....	.440	.535	.618	.815	.800	.703	.680	.736	.637	.625	.616
Imports from OPEC-South America											
Total.....	.788	.801	.790	.861	1.016	1.020	1.161	1.295	1.322	1.468	1.667
Venezuela.....	.788	.801	.790	.861	1.016	1.020	1.161	1.295	1.322	1.468	1.667
Imports from OPEC-Far East											
Total.....	.317	.284	.205	.182	.113	.106	.075	.074	.109	.087	.058
Indonesia.....	.317	.284	.205	.182	.113	.106	.075	.074	.109	.087	.058

^{1/} OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

^{2/} The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •U.S. geographic coverage is the 50 States and District of Columbia. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 1995 are preliminary.

Sources: See end of Section 4.

Table 4.11 Japan--Net Oil Imports, 1986-1996
(Million Barrels per Day)

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
	Average										
Total Net Imports..	4.392	4.418	4.680	5.035	5.239	5.286	5.464	5.467	5.766	5.716	5.790
Imports from OPEC ^{1/}	3.036	3.198	3.309	3.788	4.062	4.026	4.198	4.245	4.495	4.467	4.470
Imports from Persian Gulf ^{2/}											
Total.....	2.557	2.637	2.691	3.173	3.394	3.370	3.586	3.721	3.946	3.979	4.025
Bahrain.....	.034	.037	.036	.042	.037	.037	.029	.025	.028	.029	.033
Iran.....	.220	.230	.187	.291	.385	.383	.362	.384	.459	.399	.451
Iraq.....	.164	.105	.173	.219	.146	.000	.000	.000	.000	.000	.000
Kuwait.....	.278	.347	.341	.458	.291	.014	.220	.368	.430	.501	.500
U.A.E.....	.890	.773	.822	.929	1.032	1.285	1.256	1.287	1.398	1.420	1.396
Qatar.....	.183	.139	.203	.250	.263	.285	.300	.330	.328	.335	.335
Saudi Arabia.....	.789	1.005	.930	.984	1.240	1.367	1.420	1.327	1.303	1.296	1.310
Imports from OPEC-Africa											
Total.....	.016	.023	.044	.015	.011	.011	.007	.008	.017	.026	.032
Algeria.....	.015	.023	.044	.015	.010	.010	.007	.008	.012	.011	.012
Libya.....	.001	-	-	-	-	-	-	-	-	-	-
Nigeria.....	-	-	-	-	.001	.001	.000	.000	.005	.016	.020
Imports from OPEC-South America											
Total.....	.012	.012	.011	.011	.011	.010	.010	.009	.009	.002	.003
Venezuela.....	.012	.012	.011	.011	.011	.010	.010	.009	.009	.002	.003
Imports from OPEC-Far East											
Total.....	.486	.563	.599	.631	.682	.673	.624	.533	.551	.488	.442
Indonesia.....	.486	.563	.599	.631	.682	.673	.624	.533	.551	.488	.442

^{1/} OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

^{2/} The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include Crude Oil, Natural Gas Liquids, and Refined Products, and are on a direct basis. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 1995 are preliminary.

Sources: See end of Section 4.

Table 4.12 OECD Europe--Net Oil Imports, 1986-1996
(Million Barrels per Day)

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
	Average										
Total Net Imports..	7.893	7.742	7.774	7.994	8.210	8.588	8.459	8.127	7.355	7.226	7.338
Imports from OPEC ¹ /	6.073	5.597	5.842	6.188	6.633	6.728	6.758	6.794	6.385	6.154	6.053
Imports from											
Persian Gulf ² /											
Total.....	3.513	3.330	3.428	3.754	3.908	3.660	3.666	4.048	3.506	3.365	3.171
Bahrain.....	.002	.001	.009	.005	.020	.002	.003	.004	.003	.000	.001
Iran.....	.511	.732	.850	1.076	1.190	1.132	1.113	1.253	1.074	1.149	1.059
Iraq.....	.717	.905	.959	.897	.591	.000	.000	.001	.000	.000	.006
Kuwait.....	.456	.469	.474	.452	.346	.019	.142	.461	.302	.269	.288
U.A.E.....	.164	.206	.134	.214	.446	.281	.199	.092	.067	.011	.004
Qatar.....	.054	.040	.021	.024	.026	.009	.006	.000	.000	.002	.002
Saudi Arabia.....	1.609	.978	.981	1.086	1.290	2.217	2.203	2.237	2.060	1.933	1.811
Imports from OPEC-Africa											
Total.....	2.309	2.058	2.198	2.224	2.509	2.818	2.818	2.491	2.644	2.500	2.644
Algeria.....	.615	.627	.646	.648	.683	.757	.772	.693	.690	.724	.746
Libya.....	.967	.962	1.071	1.044	1.267	1.332	1.361	1.193	1.233	1.201	1.204
Nigeria.....	.727	.469	.481	.532	.559	.729	.686	.605	.721	.575	.694
Imports from											
OPEC-South America											
Total.....	.252	.208	.220	.212	.227	.249	.268	.240	.219	.273	.206
Venezuela.....	.252	.208	.220	.212	.227	.249	.268	.240	.219	.273	.206
Imports from OPEC-Far East											
Total.....	.002	.002	.005	.004	.008	.002	.009	.019	.019	.017	.033
Indonesia.....	.002	.002	.005	.004	.008	.002	.009	.019	.019	.017	.033

¹/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

²/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •"OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 1995 are preliminary.

Sources: See end of Section 4.

Table 4.13 France--Net Oil Imports, 1986-1996
(Million Barrels per Day)

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
	Average										
Total Net Imports..	1.682	1.742	1.718	1.711	1.750	1.869	1.784	1.761	1.615	1.721	1.736
Imports from OPEC ¹ /	.882	.684	.737	.875	1.101	1.021	.932	1.006	.956	.911	.897
Imports from											
Persian Gulf ² /											
Total.....	.586	.459	.484	.647	.864	.708	.640	.757	.651	.647	.573
Bahrain.....	.001	-	.007	.002	.011	.000	.001	.002	.000	.000	.001
Iran.....	.065	.088	.012	.158	.182	.171	.151	.243	.156	.208	.172
Iraq.....	.109	.151	.143	.128	.062	.000	.000	.000	.000	.000	.000
Kuwait.....	.023	.044	.017	.021	.015	.011	.029	.032	.016	.022	.017
U.A.E.....	.035	-	.017	.040	.233	.064	.033	.025	.003	.002	.001
Qatar.....	.030	.002	.017	.009	.022	.003	.002	.000	.000	.000	.000
Saudi Arabia.....	.324	.175	.271	.288	.339	.459	.424	.454	.477	.416	.381
Imports from OPEC-Africa											
Total.....	.279	.212	.249	.218	.233	.296	.281	.242	.301	.262	.323
Algeria.....	.089	.072	.079	.089	.092	.107	.105	.066	.089	.103	.105
Libya.....	.061	.064	.090	.065	.079	.104	.087	.063	.059	.043	.051
Nigeria.....	.129	.076	.079	.064	.062	.084	.090	.112	.153	.115	.168
Imports from											
OPEC-South America											
Total.....	.019	.012	.011	.012	.015	.017	.011	.010	.003	.002	.001
Venezuela.....	.019	.012	.011	.012	.015	.017	.011	.010	.003	.002	.001
Imports from OPEC-Far East											
Total.....	.000	-	-	.000	.000	.001	.001	.000	.000	.000	.000
Indonesia.....	.000	-	-	.000	.000	.001	.001	.000	.000	.000	.000

¹/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

²/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include Crude Oil, Natural Gas Liquids, and Refined Products, and are on a direct basis. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 1995 are preliminary.

Sources: See end of Section 4.

Table 4.14 Germany--Net Oil Imports, 1986-1996
(Million Barrels per Day)

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
	Average										
Total Net Imports..	2.380	2.281	2.279	2.112	2.202	2.664	2.739	2.723	2.731	2.699	2.792
Imports from OPEC ¹ /	.830	.675	.761	.739	.771	.859	.957	.948	.838	.711	.660
Imports from											
Persian Gulf ² /											
Total.....	.232	.187	.197	.216	.217	.227	.215	.250	.217	.172	.145
Bahrain.....	-	-	-	-	-	-	-	.000	.001	.000	.000
Iran.....	.041	.020	.051	.041	.055	.053	.021	.053	.040	.031	.018
Iraq.....	.016	.052	.032	.009	.004	.000	.000	.000	.000	.000	.000
Kuwait.....	.021	.017	.013	.022	.013	.000	.009	.022	.026	.015	.016
U.A.E.....	.004	.024	.006	.023	.016	.012	.002	.002	.001	.000	.000
Qatar.....	-	.001	.001	.002	.003	.002	.001	.000	.000	.000	.000
Saudi Arabia.....	.151	.072	.095	.119	.125	.161	.182	.173	.149	.125	.111
Imports from OPEC-Africa											
Total.....	.484	.401	.472	.436	.465	.524	.614	.594	.543	.461	.462
Algeria.....	.137	.146	.141	.106	.098	.126	.183	.195	.161	.135	.125
Libya.....	.152	.160	.237	.235	.244	.262	.252	.244	.244	.234	.258
Nigeria.....	.195	.095	.095	.095	.123	.136	.179	.154	.139	.093	.079
Imports from											
OPEC-South America											
Total.....	.113	.086	.091	.086	.088	.107	.128	.105	.079	.078	.053
Venezuela.....	.113	.086	.091	.086	.088	.107	.128	.105	.079	.078	.053
Imports from OPEC-Far East											
Total.....	.001	.002	-	-	.002	.000	.000	.000	.000	.000	.000
Indonesia.....	.001	.002	-	-	.002	.000	.000	.000	.000	.000	.000

¹/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

²/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •Data through 1990 are for the former West Germany. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 1995 are preliminary.

Sources: See end of Section 4.

Table 4.15 Italy--Net Oil Imports, 1986-1996
(Million Barrels per Day)

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
	Average										
Total Net Imports..	1.642	1.718	1.590	1.716	1.788	1.769	1.839	1.747	1.778	1.820	1.791
Imports from OPEC ^{1/}	1.361	1.307	1.191	1.260	1.375	1.393	1.343	1.222	1.117	1.203	1.244
Imports from Persian Gulf ^{2/}											
Total.....	.817	.782	.643	.619	.626	.595	.573	.548	.430	.494	.502
Bahrain.....	.001	.000	-	.001	.000	.001	.001	.000	.000	.000	.001
Iran.....	.135	.141	.093	.124	.192	.231	.239	.221	.143	.233	.263
Iraq.....	.114	.167	.198	.138	.079	.000	.000	.000	.000	.000	.000
Kuwait.....	.147	.142	.118	.093	.063	.000	.007	.012	.001	.000	.000
U.A.E.....	.051	.109	.060	.085	.075	.044	.013	.002	.000	.000	.000
Qatar.....	.004	.029	.002	.008	.000	.004	.001	.000	.000	.002	.002
Saudi Arabia.....	.364	.194	.171	.171	.216	.315	.312	.313	.286	.260	.236
Imports from OPEC-Africa											
Total.....	.505	.489	.516	.626	.740	.793	.757	.653	.660	.679	.714
Algeria.....	.087	.109	.108	.150	.155	.155	.140	.096	.099	.100	.110
Libya.....	.309	.342	.389	.430	.556	.581	.584	.542	.543	.562	.580
Nigeria.....	.110	.038	.019	.045	.029	.057	.034	.015	.018	.017	.025
Imports from OPEC-South America											
Total.....	.039	.037	.029	.014	.007	.004	.005	.002	.007	.014	.008
Venezuela.....	.039	.037	.029	.014	.007	.004	.005	.002	.007	.014	.008
Imports from OPEC-Far East											
Total.....	-	-	.002	.002	.003	.001	.009	.019	.019	.015	.021
Indonesia.....	-	-	.002	.002	.003	.001	.009	.019	.019	.015	.021

^{1/} OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

^{2/} The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include Crude Oil, Natural Gas Liquids, and Refined Products, and are on a direct basis. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 1995 are preliminary.

Sources: See end of Section 4.

Table 4.16 OECD Imports from Iraq, 1986-1996
(Million Barrels per Day)

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
	Average										
Total.....	0.964	1.103	1.489	1.581	1.276	0.000	0.000	0.001	0.000	0.000	0.007
United States ¹ /....	.081	.083	.343	.449	.518	.000	.000	.000	.000	.000	.001
Canada.....	-	.010	.001	.013	.011	.000	.000	.000	.000	.000	.000
OECD Europe ² /.....	.717	.905	.959	.897	.591	.000	.000	.001	.000	.000	.006
Main European Importers											
France.....	.109	.151	.143	.128	.062	.000	.000	.000	.000	.000	.000
Germany ³ /.....	.016	.052	.032	.009	.004	.000	.000	.000	.000	.000	.000
Italy.....	.114	.167	.198	.138	.079	.000	.000	.000	.000	.000	.000
Netherlands.....	.067	.034	.039	.101	.117	.000	.000	.000	.000	.000	.000
Spain.....	.117	.080	.092	.109	.063	.000	.000	.000	.000	.000	.002
European Net Exporters											
United Kingdom....	.071	.082	.070	.034	.027	.000	.000	.000	.000	.000	.000
Smaller European Importers											
Austria.....	-	.015	.007	.000	.000	.000	.000	.001	.000	.000	.000
Belgium.....	.026	.049	.037	.047	.029	.000	.000	.000	.000	.000	.000
Denmark.....	-	.001	-	-	.000	.000	.000	.000	.000	.000	.000
Greece.....	.030	.065	.059	.052	.044	.000	.000	.000	.000	.000	.000
Portugal.....	.024	.019	.029	.024	.019	.000	.000	.000	.000	.000	.000
Sweden.....	-	.003	.003	.005	.000	.000	.000	.000	.000	.000	.000
Switzerland.....	-	.000	-	.000	.000	.000	.000	.000	.000	.000	.000
Turkey.....	.143	.188	.250	.250	.146	.000	.000	.000	.000	.000	.003
Japan.....	.164	.105	.173	.219	.146	.000	.000	.000	.000	.000	.000
Other OECD.....	.002	.000	.013	.003	.011	.000	.000	.000	.000	.000	.000

¹/ U.S. geographic coverage is the 50 States and District of Columbia.

²/ "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

³/ Data through 1990 are for the former West Germany.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 1995 are preliminary.

Sources: See end of Section 4.

Table 4.17 OECD Imports from Kuwait, 1986-1996
(Million Barrels per Day)

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
	Average										
Total.....	0.829	0.925	0.936	1.084	0.740	0.039	0.414	1.191	1.081	0.997	1.034
United States ¹ /.....	.068	.082	.092	.157	.086	.006	.051	.353	.312	.218	.236
Canada.....	-	-	-	-	.004	-	-	.000	.027	.000	.000
OECD Europe ² /.....	.456	.469	.474	.452	.346	.019	.142	.461	.302	.269	.288
Main European Importers											
France.....	.023	.044	.017	.021	.015	.011	.029	.032	.016	.022	.017
Germany ³ /.....	.021	.017	.013	.022	.013	.000	.009	.022	.026	.015	.016
Italy.....	.147	.142	.118	.093	.063	.000	.007	.012	.001	.000	.000
Netherlands.....	.122	.150	.189	.194	.151	.002	.052	.254	.179	.176	.193
Spain.....	.020	.015	.030	.015	.010	.003	.000	.015	.000	.000	.000
European Net Exporters											
Norway.....	-	-	-	-	-	-	-	.000	.000	.000	.000
United Kingdom.....	.014	.011	.006	.006	.045	.002	.027	.049	.058	.039	.032
Smaller European Importers											
Austria.....	-	-	.004	.002	.000	.000	.000	.000	.000	.000	.000
Belgium.....	.006	.000	-	-	.000	.001	.006	.056	.005	.004	.015
Denmark.....	.020	.045	.060	.066	.034	.000	.000	.000	.000	.000	.000
Finland.....	-	-	-	-	-	.000	-	-	-	-	-
Greece.....	.038	.030	.015	.009	.000	.000	.002	.005	.001	.000	.000
Portugal.....	-	.001	.003	.003	.002	.000	.000	.000	.000	.000	.000
Sweden.....	-	-	-	.001	.001	.000	.000	.002	.000	.000	.000
Switzerland.....	-	-	-	-	-	.000	.000	.000	.000	.000	.000
Turkey.....	.046	.013	.019	.019	.011	.000	.010	.016	.016	.014	.015
Japan.....	.278	.347	.341	.458	.291	.014	.220	.368	.430	.501	.500
Other OECD.....	.028	.026	.029	.017	.013	.000	.000	.009	.011	.009	.010

¹/ U.S. geographic coverage is the 50 States and District of Columbia.

²/ "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

³/ Data through 1990 are for the former West Germany.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 1995 are preliminary.

Sources: See end of Section 4.

Sources for Section 4 (Historical Oil Data)

Crude Oil Production, Natural Gas Liquids Production, Other Liquids, and Refinery Gain

United States: • Energy Information Administration (EIA), Petroleum Supply Annual 1996; • Bureau of Mines, Mineral Industry Surveys, Petroleum Statement, Annual, various issues.

Other Countries: • EIA, International Energy Annual, various issues. • EIA, International Petroleum Annual, 1978. • United Nations, Yearbook of World Energy Statistics, 1979. Refinery Gains: National Petroleum Council, U.S. Petroleum Refinery Study, October 1986.

Oil Stocks

United States: EIA, Petroleum Supply Annual 1996.

Other OECD Countries: • 1973-1982: Organization for Economic Cooperation and Development (OECD), Quarterly Oil Statistics and Energy Balances, various issues. • 1983-1997: OECD, Monthly Oil Statistics in the EIA, International Energy Database.

Oil Demand

United States: EIA, Petroleum Supply Annual 1996.

Other OECD Countries: • 1973-1981: OECD, Quarterly Oil Statistics and Energy Balances, various issues. • OECD, Annual Oil Statistics data base, 1970-1979. • 1982-1997: OECD, Monthly Oil Statistics in the EIA International Energy Database.

Oil Imports

United States: Energy Information Administration (EIA), Petroleum Supply Annual 1996.

Other OECD Countries: • Organization for Economic Cooperation and Development (OECD), Quarterly Oil Statistics and Energy Balances, various issues. • OECD Monthly Oil Statistics database, 1991-1997.

Appendix A

Organizational and Geographical Definitions

Appendix A. Organizational and Geographical Definitions

International Energy Agency (IEA) countries are: Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Japan, Luxembourg, Netherlands, New Zealand, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, United Kingdom, and United States.

Organization for Economic Cooperation and Development (OECD) countries are: Australia, Austria, Belgium, Canada, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Japan, Luxembourg, Mexico, Netherlands, New Zealand, Norway, Poland, Portugal, South Korea, Spain, Sweden, Switzerland, Turkey, United Kingdom, and United States. Total OECD includes the United States Territories (Guam, Puerto Rico, and the U.S. Virgin Islands). Total OECD excludes data for Czech Republic, Hungary, South Korea, and Mexico which are not yet available.

OECD Europe countries are: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, Turkey, and United Kingdom. OECD Europe excludes data for Czech Republic, Hungary, and Poland which are not yet available.

Organization of Petroleum Exporting Countries (OPEC) members are: Algeria, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, the United Arab Emirates, and Venezuela. As of December 31, 1992, Ecuador withdrew its membership in OPEC, and as of December 31, 1994, Gabon withdrew its membership. For consistency, Ecuador and Gabon are excluded in the historical series of OPEC totals.

Arab members of OPEC are: Algeria, Iraq, Kuwait, Libya, Qatar, Saudi Arabia and the United Arab Emirates.

Organization of Arab Petroleum Exporting Countries (OAPEC) are: Algeria, Bahrain, Egypt, Iraq, Kuwait, Libya, Neutral Zone, Qatar, Saudi Arabia, Syria, Tunisia, and the United Arab Emirates. In April 1979 Egypt was suspended from OAPEC membership. In May 1989 Egypt rejoined OAPEC. For consistency, Egypt is included in the historical series of the OAPEC totals.

Persian (Arabian) Gulf countries are: Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and the United Arab Emirates.

The term "Former USSR" is being used in the International Petroleum Statistics Report as a purely geographical expression, referring to the Commonwealth of Independent States (CIS), Georgia, and the three Baltic States (Estonia, Latvia, and Lithuania).

Appendix B

Explanatory Notes

Appendix B. Explanatory Notes

Note 1: World Oil Supply

Supply includes production of crude oil (including lease condensate), natural gas plant liquids, other hydrogen and hydrocarbons for refinery feedstocks, refinery gain, alcohol, and liquids produced from coal and other sources. Beginning in 1993, U.S. data includes fuel ethanol blended into finished motor gasoline and oxygenate production from merchant MTBE plants.

Note 2: Oil Stocks

The International Energy Agency (IEA) assembles and reports total oil stock data for the member countries of the Organization for Economic Cooperation and Development (OECD). Oil stocks include crude oil (including strategic reserves), unfinished oils, natural gas plant liquids, and refined petroleum products. In its report titled Quarterly Oil Statistics and Energy Balances of OECD Countries, the IEA defines oil stocks as follows: "All non-military stocks held by importers (including all final consumers directly), refiners, Governments, major non-importing final consumers eligible under IEA/OECD commitments and by foreign entities in the following facilities: bulk terminals, refinery tanks, pipeline tankage, barges, intercoastal tankers (when port of departure and destination are in the reporting country), tankers in port (to the extent that their cargo is to be unloaded in the reporting country), and inland ship bunkers. Oil is reported regardless of the ownership of such storage facilities." IEA data exclude "oil held in pipelines, rail and truck tank cars, sea-going ships' bunkers, service stations, retail stores and tankers at sea." Also the IEA defines the United States to be the 50 States and the District of Columbia, and the U.S. Territories (Guam, Puerto Rico, and the U.S. Virgin Islands). The Energy Information Administration (EIA) does not include the United States Territories in its statistical definition of the United States. Further, the EIA includes oil in oil pipelines as part of its stock data. Tables 1.5, 1.6, 2.3, and 4.4 include oil stocks for the United States according to EIA definitions. Using IEA definitions, at the end of March 1997 United States (including territories) oil stocks totaled 1,369 million barrels.

Note 3: A Change to the Oil Balance in Section 2.

Prior to August 1992, Section 2 of the International Petroleum Statistics Report presented a balance of oil supply, demand, and stock change for the Market Economies, at quarterly time intervals. The communist countries, or Centrally Planned Economies (CPEs) were not included in the balance, mainly because good quarterly data for oil demand in these countries were not available. Net imports from the CPEs were included in the balance as part of total Market Economies supply. At present, the former Soviet Union and most of the countries of Eastern Europe are in transition from communism to market economies; because of this there are no longer good political or economic reasons to publish an oil balance only for the countries that have traditionally been market economies. Beginning with the August 1992 edition, Section 2 of the International Petroleum Statistics Report was changed from a Market Economies oil balance to a world oil balance.

The main data issues related to this change may be summarized as follows:

Supply Data. Monthly oil supply data are available for all countries of the world. These data are used to generate Tables 1.1 to 1.4; they were used to expand the Section 2 supply table (Table 2.2) to the whole world.

Demand Data. EIA has now developed quarterly figures for world oil demand, including demand in the former CPEs; these are published in Table 4 of EIA's Short-Term Energy Outlook. The procedures involved in developing quarterly world demand numbers may be summarized as follows:

Complete monthly data are available for the 24 OECD countries. Annual demand data for all countries (about 200 countries) are presented in EIA's International Energy Annual. In 1993, the OECD accounted for about three-fifths of total world demand, the 25 largest consumers outside of the OECD accounted for about one-third of the world total, and the remaining countries (about 150 countries) accounted for less than one-tenth of the total. The key problem, therefore, is to develop good figures for the 25 largest consumers outside the OECD.

Of these 25 countries, by far the largest consumer is Russia, which in 1993 accounted for about one-sixth of the demand in the group of 25. The next largest consumer is China, which in 1993 accounted for about one-seventh of the demand in the group. Thus in 1993 Russia and China accounted for one-third of the demand in the group of 25. For these 2 countries, data are available on oil production and net exports. The demand numbers shown in Section 2 are computed as production minus net exports. This is the same procedure used in the EIA Short-Term Energy Outlook, by the International Energy Agency in their Monthly Oil Market Report, and in other respected publications that deal with international oil markets. Note, however, that this method of computing demand ignores both refinery gain and stock changes.

For other major consuming countries outside of the OECD, quarterly demand data are developed based upon the latest available annual data, analytic judgment about current trends, and some seasonal adjustments. These are the same procedures used for the Short-Term Energy Outlook.

Stocks Data. Reliable stocks data are available for the OECD countries. Estimates of stocks for export and afloat, and of commercial floating stocks, are available. (See sources at the end of Section 2.)

For on-land stocks outside the OECD, there is little reliable data. Most estimates of on-land stocks outside the OECD are based on the theory that stocks are approximately equal to some number of days of demand. Demand figures (which themselves involve some degree of estimation) are then used to compute estimates of stock levels.

In the International Petroleum Statistics Report, it had been the practice for some time to estimate that on-land stocks in the traditional market economies outside of the OECD were equal to 55 days of demand. This was acceptable, mainly because the rule was used only to estimate a relatively small part of total stocks (about 16 percent).

When Section 2 was converted from a Market Economies oil balance to a world oil balance, there were important changes in the conditions that made it reasonable to estimate on-land stocks outside of the OECD using the rule of 55 days of demand. When the CPEs are included, the stocks that must be estimated are a considerably larger part of the total. In 1990, total oil demand in the former CPEs was more than 80 percent as large as demand in all of the non-OECD traditional market economies. Thus the quantity of stocks that would have to be estimated using a 55-day rule would nearly double, and the estimated components of stock levels and stock changes would become relatively large parts of the total. One consequence of this is that the statistical discrepancy (as shown in Table 2.1) would become less useful as an indicator of the overall consistency of the data. The statistical discrepancy is computed from supply, demand, and stock change. If a large part of the stock change is estimated, then the statistical discrepancy loses much of its significance.

As already noted, quarterly demands in the former Soviet Union and in China are computed as production minus net exports. This computation implicitly assumes a zero stock change. Demand in the former Soviet Union is falling. If we were to use a 55-day rule to compute stock levels, falling demand would imply falling stock levels. This would contradict the assumption of zero stock change which was used in computing demand.

In view of all this, the following approach has been adopted. Table 2.3 now shows levels of stocks for the OECD countries, levels of stocks for export and afloat, and levels of commercial floating storage. Stock changes based on these stock levels are shown in Table 2.1. At this time, no other stock levels are shown. Table 2.1 now has a single line labelled "Other Stock Draw and Statistical Discrepancy", which contains the computed values needed to make the table balance.

It may become possible in the future to obtain reliable information on certain categories of on-land stocks outside the OECD. If such data become available, they will be added to Table 2.3, and the corresponding stock change information will be added to Table 2.1.

Changes in Formats and Sign Conventions. There were several changes in Section 2 to make the International Petroleum Statistics Report more consistent with other EIA publications, especially with the Short-Term Energy Outlook. The numbers were changed from 1 decimal place to 2 decimal places. The word "consumption", as used before August 1992, was changed to "demand". The sign convention for stock changes in Table 2.1 was changed. Stock draws are now indicated by positive numbers, and stock additions are indicated by negative numbers. Table 2.1 also uses a new sign convention for the line labelled "Other Stock Draw and Statistical Discrepancy". The values in this line are now computed as Total Demand minus the sum of Total Supply and Total Reported Stock Draw. This is the reverse of the sign convention used before August 1992.

Summary. Section 2 was expanded from a Market Economies oil balance to a world oil balance. Supply data are tracked for all producing countries. Demand data are tracked for the 24 OECD countries, and for 25 large consumers outside of the OECD. Demand for the remaining countries (less than 10 percent of total demand) is estimated, for years that are not yet available in the International Energy Annual. The stock levels in these tables are based on reported data for the OECD and for stocks at sea. The line in Table 2.1 labelled "Other Stock Draw and Statistical Discrepancy" is a balancing item.

Appendix C

Glossary

Appendix C. Glossary

Alcohol. The family name of a group of organic chemical compounds composed of carbon, hydrogen, and oxygen. The molecules in the series vary in chain length and are composed of a hydrocarbon plus a hydroxyl group. Alcohol includes methanol and ethanol.

Demand (Consumption/Petroleum Products Supplied). Total petroleum products supplied is the sum of all petroleum products supplied. For each product, the amount supplied is calculated by summing production, crude oil burned directly, imports, and net withdrawals from primary stocks and subtracting exports.

Crude Oil. A mixture of hydrocarbons that existed in liquid phase in underground reservoirs and remains liquid at atmospheric pressure after passing through surface-separating facilities. Crude oil production is measured at the wellhead and includes lease condensate.

Government-Owned Stocks. Oil stocks owned by the national government and held for national security. In the United States these stocks are known as the Strategic Petroleum Reserve.

Lease Condensate. A liquid recovered from natural gas at the well or at small gas/oil separators in the field. Consists primarily of pentanes and heavier hydrocarbons (also called field condensate).

Natural Gas Plant Liquids. Products obtained from processing natural gas at natural gas processing plants, including natural gasoline plants, cycling plants, and fractionators. Products obtained include ethane, liquefied petroleum gases, (propanes, butane, propane-butane mixtures, and ethane-propane mixtures), isopentane, natural gasoline, unfractionated streams, plant condensate, and other minor quantities of finished products, such as motor gasoline, special naphthas, jet fuel, kerosene, and distillate fuel oil.

Oil Stocks. Oil stocks include crude oil (including strategic reserves), unfinished oils, natural gas plant liquids, and refined petroleum products. See Explanatory Note 2.

Other Hydrocarbons. Other materials processed at refineries. Includes coal tar derivatives, hydrogen, gilsonite, and natural gas received by the refinery for reforming into hydrogen.

Oxygenates. Any substance which, when added to gasoline, increases the amount of oxygen in that gasoline blend. They include: Fuel Ethanol, Methanol, and MTBE (Methyl tertiary butyl ether).

Petroleum Products. Petroleum products are obtained from the processing of crude oil (including lease condensate), natural gas, and other hydrocarbon compounds. Petroleum products include unfinished oils, aviation gasoline, motor gasoline, naphtha-type jet fuel, kerosene-type jet fuel, kerosene, distillate fuel oil, residual fuel oil, ethane, liquefied petroleum gases, petrochemical feedstocks, special naphthas, lubricants, paraffin wax, petroleum coke, asphalt road oil, still gas, and other miscellaneous products.

Processing Gain. The amount by which the total volume of refinery output is greater than the volume of input for given period of time. The processing gain arises when crude oil and other hydrocarbons are processed into products that are, on average, less dense than the input.

Processing Loss. The amount by which the total volume of refinery output is less than the volume of input for given period of time. The processing loss arises when crude oil and other hydrocarbons are processed into products that are, on average, more dense than the input.

Appendix D

Estimation Procedures

Appendix D. Estimation Procedures

Estimation procedures are used for demand numbers in many of the countries outside of the OECD, in cases where data from EIA's International Energy Annual are not yet available. Demand numbers for 1995 and earlier years, for all countries, may be found in EIA's International Energy Annual 1995, published in December 1996, which is the most recent published edition of the International Energy Annual. EIA's WORLD ENERGY database contains final demand data for all countries of the world for 1994, and preliminary demand data for all countries for 1995. Instructions for downloading this database may be found on EIA's home page (<http://www.eia.doe.gov/emeu/world/contents.html>). The status of the demand numbers shown in Section 2 of this current International Petroleum Statistics Report may be summarized as follows.

The OECD demand numbers are, as usual, based on the latest Quarterly Oil Statistics and Monthly Oil Statistics tapes from the International Energy Agency.

For countries outside of the OECD, the following approach is used. The numbers for 1994 and earlier years match the demand numbers in the WORLD ENERGY database on EIA's home page. Numbers for 1995 forward are the best available EIA estimates, based upon the best annual data currently available, analytic judgment about current trends, and some seasonal adjustments. These are the same numbers that appear in the international oil balance table in EIA's Short-Term Energy Outlook.

The two largest non-OECD oil consumers are the former Soviet Union and China. For these two countries, published data are available on production and net exports. Demand is computed as production minus net exports. This is the same approach used in the Short-Term Energy Outlook, by the International Energy Agency in their Monthly Oil Market Report, and in other major publications dealing with international oil data. Note, however, that because of this computation, the demand numbers for the former Soviet Union and China implicitly exclude stock draw and refinery gain.

Appendix E

Conversions

Table E1. Refined Petroleum Products Conversion Factors

Product	Barrels per Metric Ton
Asphalt	6.06
Distillate Fuel Oil	7.46
Gasoline, Aviation	8.90
Gasoline, Motor	8.53
Greases	6.30
Jet Fuel, Kerosene-type	7.93
Jet Fuel, Naptha-type	8.27
Kerosene	7.73
Liquefied Petroleum Gas (LPG)	11.60
Lubricants	7.00
Miscellaneous Products	8.04
Naphthas	8.22
Natural Gas Liquids (NGL)	10.40
Natural Gasoline	10.00
Paraffin Oil	7.14
Paraffin Wax	7.87
Petrolatum	7.87
Petroleum Coke	5.51
Residual Fuel Oil	6.66
White Spirits	8.50

Table E2. Barrels of Crude Oil per Metric Ton, 1986-1995

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
North America										
Canada	7.453	7.453	7.453	7.453	7.186	7.186	7.186	7.186	7.186	7.186
Mexico	6.965	6.965	6.965	6.965	6.965	6.965	6.965	6.965	6.965	6.965
United States	7.333	7.333	7.333	7.333	7.333	7.333	7.333	7.333	7.333	7.333
Central & South America										
Argentina	7.149	7.149	7.149	7.149	7.120	7.120	7.120	7.120	7.120	7.120
Bolivia	7.881	7.881	7.881	7.881	7.881	7.881	7.881	7.881	7.881	7.881
Brazil	7.268	7.268	7.268	7.268	7.056	7.056	7.056	7.056	7.056	7.056
Chile	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506
Colombia	7.084	7.084	7.084	7.084	7.080	7.080	7.080	7.080	7.080	7.080
Cuba	6.449	6.449	6.449	6.449	6.449	6.449	6.449	6.449	6.449	6.449
Ecuador	7.130	7.130	7.130	7.130	7.130	7.130	7.130	7.130	7.130	7.130
Peru	7.407	7.407	7.407	7.407	7.407	7.407	7.407	7.407	7.407	7.407
Trinidad and Tobago	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084
Venezuela	6.880	6.880	6.880	6.880	6.890	6.890	6.890	6.890	6.890	6.890
Western Europe										
Austria	7.082	7.082	7.082	7.082	7.200	7.200	7.200	7.200	7.200	7.200
Denmark	7.689	7.689	7.689	7.689	7.405	7.405	7.405	7.405	7.405	7.405
France	7.332	7.332	7.332	7.332	7.332	7.332	7.332	7.332	7.332	7.332
Germany	--	--	--	--	--	7.330	7.330	7.330	7.330	7.330
Germany, East	7.340	7.340	7.340	7.340	7.340	--	--	--	--	--
Germany, West	7.247	7.247	7.247	7.247	7.247	--	--	--	--	--
Greece	7.178	7.178	7.178	7.178	7.231	7.231	7.231	7.231	7.231	7.231
Italy	6.853	6.853	6.853	6.853	7.300	7.300	7.300	7.300	7.300	7.300
Netherlands	6.853	6.853	6.853	6.853	7.239	7.239	7.239	7.239	7.239	7.239
Norway	7.810	7.810	7.810	7.810	7.644	7.644	7.644	7.644	7.644	7.644
Spain	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506
Sweden	7.247	7.247	7.247	7.247	7.247	7.247	7.247	7.247	7.247	7.247
Turkey	7.150	7.150	7.150	7.150	7.200	7.200	7.200	7.200	7.200	7.200
United Kingdom	7.466	7.466	7.466	7.466	7.523	7.523	7.523	7.523	7.523	7.523
Former Yugoslavia	7.418	7.418	7.418	7.418	7.418	7.418	--	--	--	--
Croatia	--	--	--	--	--	--	7.418	7.418	7.418	7.418
Serbia and Montenegro	--	--	--	--	--	--	7.418	7.418	7.418	7.418
Slovenia	--	--	--	--	--	--	--	7.418	7.418	7.418

-- = No Production of this form of energy.

Sources: International Energy Annual 1995. DOE/EIA-0219(95) (96/12) (December 1996).

Table E2. Barrels of Crude Oil per Metric Ton, 1986-1995 (continued)

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Eastern Europe & Former U.S.S.R.										
Albania	6.594	6.594	6.594	6.594	6.594	6.594	6.594	6.594	6.594	6.594
Bulgaria	7.332	7.332	7.332	7.332	7.332	7.332	7.332	7.332	7.332	7.332
Former Czechoslovakia	6.780	6.780	6.780	6.780	6.780	6.780	6.780	--	--	--
Czech Republic	--	--	--	--	--	--	--	6.780	6.780	6.780
Slovakia	--	--	--	--	--	--	--	6.780	6.780	6.780
Hungary	6.690	6.690	6.690	6.690	6.690	6.690	6.690	6.690	6.690	6.690
Poland	7.418	7.418	7.418	7.418	7.418	7.418	7.418	7.418	7.418	7.418
Romania	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506
Former U.S.S.R.	7.270	7.270	7.270	7.270	7.270	7.270	--	--	--	--
Azerbaijan	--	--	--	--	--	--	7.270	7.270	7.270	7.270
Belarus	--	--	--	--	--	--	7.270	7.270	7.270	7.270
Georgia	--	--	--	--	--	--	7.270	7.270	7.270	7.270
Lithuania	--	--	--	--	--	--	--	7.270	7.270	7.270
Kazakhstan	--	--	--	--	--	--	7.270	7.270	7.270	7.270
Kyrgyzstan	--	--	--	--	--	--	7.270	7.270	7.270	7.270
Russia	--	--	--	--	--	--	7.270	7.270	7.270	7.270
Tajikistan	--	--	--	--	--	--	7.270	7.270	7.270	7.270
Turkmenistan	--	--	--	--	--	--	7.270	7.270	7.270	7.270
Ukraine	--	--	--	--	--	--	7.270	7.270	7.270	7.270
Uzbekistan	--	--	--	--	--	--	7.270	7.270	7.270	7.270
Middle East										
Bahrain	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.320
Iran	7.305	7.305	7.305	7.305	7.305	7.305	7.305	7.305	7.305	7.305
Iraq	7.426	7.426	7.426	7.426	7.430	7.430	7.430	7.430	7.430	7.430
Israel	7.247	7.247	7.247	7.247	7.247	7.247	7.247	7.247	7.247	7.247
Jordan	7.190	7.190	7.190	7.190	7.190	7.190	7.190	7.190	7.190	7.190
Kuwait	7.245	7.245	7.245	7.245	7.250	7.250	7.250	7.250	7.250	7.250
Oman	7.332	7.332	7.332	7.332	7.330	7.330	7.330	7.330	7.330	7.330
Qatar	7.500	7.500	7.500	7.500	7.500	7.500	7.500	7.500	7.500	7.500
Saudi Arabia	7.268	7.268	7.268	7.268	7.323	7.323	7.323	7.323	7.323	7.323
Syria	6.836	6.836	6.836	6.836	6.836	6.836	6.836	6.836	6.836	6.836
United Arab Emirates	7.480	7.480	7.480	7.480	7.480	7.480	7.480	7.480	7.480	7.480
Yemen	7.627	7.636	7.632	7.632	7.631	7.631	7.631	7.631	7.631	7.631

-- = No Production of this form of energy.

Sources: International Energy Annual 1995. DOE/EIA-0219(95) (96/12) (December 1996).

Table E2. Barrels of Crude Oil per Metric Ton, 1986-1995 (continued)

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Africa										
Algeria	7.936	7.936	7.936	7.936	8.130	8.130	8.130	8.130	8.130	8.130
Angola	7.409	7.409	7.409	7.409	7.409	7.409	7.409	7.409	7.409	7.409
Benin	6.870	6.870	6.870	6.870	6.870	6.870	6.870	6.870	6.870	6.870
Cameroon	7.205	7.205	7.205	7.205	7.205	7.205	7.205	7.205	7.205	7.205
Congo	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506
Cote d'Ivoire (Ivory Coast)	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285
Egypt	7.256	7.256	7.256	7.256	7.256	7.256	7.256	7.256	7.256	7.256
Equatorial Guinea	--	--	--	--	--	8.077	8.077	8.077	8.077	8.077
Gabon	7.305	7.305	7.305	7.305	7.305	7.305	7.305	7.305	7.305	7.305
Ghana	7.285	--	--	--	--	--	7.285	7.285	7.285	7.285
Libya	7.515	7.515	7.515	7.515	7.580	7.580	7.580	7.580	7.580	7.580
Morocco	7.600	7.600	7.600	7.600	7.600	7.600	7.600	7.600	7.600	7.600
Nigeria	7.315	7.315	7.315	7.315	7.315	7.315	7.315	7.315	7.315	7.315
South Africa	--	--	--	--	--	--	9.853	9.853	9.853	9.853
Sudan	--	--	--	--	--	--	7.452	7.452	7.452	7.452
Tunisia	7.689	7.689	7.689	7.689	7.689	7.689	7.689	7.689	7.689	7.689
Zaire	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.320
Far East & Oceania										
Australia	7.855	7.855	7.855	7.855	7.868	7.868	7.868	7.868	7.868	7.868
Bangladesh	7.453	7.453	7.453	7.453	7.453	7.453	7.453	7.453	7.453	7.453
Brunei	7.340	7.340	7.340	7.340	7.340	7.340	7.340	7.340	7.340	7.340
Burma	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084
China	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.320
India	7.600	7.600	7.600	7.600	7.600	7.600	7.600	7.600	7.600	7.600
Indonesia	7.558	7.558	7.558	7.558	7.558	7.558	7.558	7.558	7.558	7.558
Japan	7.285	7.285	7.285	7.285	7.357	7.357	7.357	7.357	7.357	7.357
Malaysia	7.641	7.641	7.641	7.641	7.641	7.641	7.641	7.641	7.641	7.641
New Zealand	8.127	8.127	8.127	8.127	8.127	8.127	8.127	8.127	8.127	8.127
Pakistan	7.500	7.500	7.500	7.500	7.500	7.500	7.500	7.500	7.500	7.500
Papua New Guinea	--	--	--	--	--	7.809	7.809	7.809	7.809	7.809
Philippines	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285
Taiwan	6.568	6.568	6.568	6.568	6.568	6.568	6.568	6.568	6.568	6.568
Thailand	6.758	6.758	6.758	6.758	6.758	6.758	6.758	6.758	6.758	6.758
Vietnam	7.082	7.082	7.082	7.082	7.082	7.082	7.082	7.082	7.082	7.082

-- = No Production of this form of energy.

Sources: International Energy Annual 1995. DOE/EIA-0219(95) (96/12) (December 1996).